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STRUCTURE UPLOADED L1

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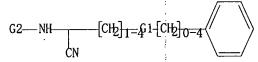
L2 L3 1293 S L1 FULL

FILE 'CAPLUS' ENTERED AT 11:09:53 ON 28 JAN 2008 82 S L3/P

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G1 O, S, N

G2 H, Me, Et, n-Pr, i-Pr, n-Bu, i-Bu, CF3

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L4 ANSWER 1 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
DOCUMENT NUMBER:
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1NVENTOR(S):
1NV DOCUMENT TYPE: CT LANGUAGE: GG FAMILY ACC, NUM. COUNT: 1 PATENT INFORMATION: PATENT NO.

DE 102006018828
W0 2007121888
W: AE, AG, /
CH, CN, C
GD, CE, C
KN, RP, K
KN, WW, K
RS, RU, S
TZ, UA, D
RW: AT, BE, B
J, CF, CC
CH, GM, KE
TY APPLN, INFO. :
SOURCE(S): KIND DATE APPLICATION NO. DATE PATENT NO. DE: 2006-102006018828A 20060422 PRIORITY APPLN. OTHER SOURCE (S): GRAPHIC IMAGE: MARPAT 147:486321

ABSTRACT:

DOCUMENT TYPE:

LANGUAGE: FAMILY ACC, NUM, COUNT: PATENT INFORMATION:

PAT	ENT	NO.			KIN	D	DATE			APPL	ICAT	ION .	NO.		D.	ATE	
	2007				A2 A3		2007			¥0, 2	007-	SE25	6		2	0070	315
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	•	CN	CO	CP	CII	CZ.	DE.	DK	DM	DZ.	EC.	FF.	EG.	F.S.	FI.	GB.	GD.
							HR,										
		KP.	KR	K7	ĬĂ.	ic	LK,	I.R.	LS.	LT.	LU.	ĹŸ.	MA.	MD.	MG.	MK.	MN
		МУ	MX.	MY.	MZ.	NA.	NG,	NI.	NO.	NZ.	OM.	PG.	PH.	PL.	PT.	RO.	RS.
		RU.	SC.	SD.	SE.	SG.	SK,	SL.	SM.	SV.	SY.	ŤĪ.	TM.	TN.	TR.	TT.	TZ.
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	•••						MC.										
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RIT	/ APE		INFO.							US 2	006-	7829	79P		P 2	0060	316

ARSTRACT:
The invention relates to (55)-5-[4-(5-chloropyridin-2-yloxy)piperidine-1aulfony|methyl]-5-methylimidazolidine-2.4-dione (1) and its crystal forms,
processes for preparing them, pharmaceutical prepas, comprising them, and their
pharmaceutical use. I is a potent metalloproteinase inhibitor, particularly a
potent inhibitor of MOPI2, useful in the treatment of, e.g., COPD. For
instance, 1 was prepared by reaction of compound 11 with 5-chloro-2-(piperidin-4-

L4 ANSWER 1 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
Title compds. 1 [w = H, alkyl, alkenyl, etc.; X = halo, alkyl, alkenyl, etc.; Y = H, alkyl, alkenyl, etc.; A = alkyl, alkenyl, etc.; A = alkyl, alkoryalkyl;
D = alkory, alkenyloxy, alkynyloxy, etc.; G = H, CORI, SOZR3, etc.; R1 = alkyl, alkyl, alkenyl, etc.; R3 = alkyl, alkory, alkylnaine, etc.] were preph. For example, t-BuOK mediated condensation/cyclization of ket ester II afforded cyclic ketoenol III in 61% yield. In setaria viridis protection assays, 19-examples of compds. 1 after 3-wk exhibited >80% protection at 320 g/h.

L4 ANSWER 2 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN yloxy)pyridine (71%). (Continued)

950672-62-5P
RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or resgent) (SS)-5-[4-(5-chloropyridin-2-yloxy)piperidin-1-sulfonylmethy])-5-methylimidazolidine-2.4-dione as a metalloproteinase inhibitor CAPLUS
Propanentirile, 2-methyl-3-[(phenylmethyl)thio]-2-[((IR)-1-phenyl-2-[(trimethylsilyl)oxy]ethyl]amino]-, (ZR)- (CA INDEX NAME)

Absolute stereochemistry.

ACCESSION NUMBER:

DOCLMENT NUMBER:

DOCUMENT NUMBER:

DISCOVERY and Synthesis of HIV Integrase Inhibitors:

AUTHOR(S):

AUTHOR(S):

AUTHOR(S):

AUTHOR(S):

Care and a synthesis of HIV Integrase Inhibitors:

Development of Potent and Orally Bioavailable N-Methyl Pyrimidones

Gardelli, Cristina: Nizi, Emanuela: Muraglia, Ester:

Crescenzi, Benedetta: Ferrara, Marco: Orvieto.

Federica: Pace, Paola; Pescatore, Giovanna: Poma,

Marco: del Rosario Rico Ferreira, Maria: Scarpelli,

Rita: Homnick, Carl F: Ikemoto, Norihiro: Alfieri,

Anna: Verdiramo, Maria Bonelli, Fabio: Gionzalez Paz.

Odalys: Taliani, Marina: Monteagudo, Edith: Pesci,

Silvia: Lauder, Ralph: Felock, Peter: Stillacok, Kara

A.; Hazuda, Daria: Roviey, Michael: Suman, Vincenzo

Departments of Medicinal Chemistry and Pharmacology
Istituto Di Ricerche Di Biologia Molecolare (RENH-MRI.

Rome), P. Angeletti Si.p.A., Pomezia, 00040, Italy

Journal of Medicinal Chemistry (2007), 50(20),

4953-4975

COREN: JROMAR: ISSN: 0022-2623

American Chemical Society

Journal

Douther Source (S):

GRAPHIC IMAGE:

PUBLISHER: DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): GRAPHIC IMAGE;

ABSTRACT:
The human immunodeficiency virus type-1 (HIV-1) encodes three enzymes essential for viral replication: a reverse transcriptase, a protease, and an integrase. The latter is responsible for the integration of the viral genome into the human genome and, therefore, represents an attractive target for chemotherapeutic intervention against AIDS. Benzyl-dihydroxypyrimidine-carboxanides were discovered in our labs. as a novel and metabolically stable class of agents that exhibits potent inhibition of the HIV integrase strand transfer step. Further efforts led to very potent compds. based on the structurally related N-Me pyrimidone scaffold. One of the more interesting compds. In this series is ()-1, which shows a CICS5 of 65 mM in the cell in the presence of serum. This compound has favorable pharmacokinetic properties in three preclin. species and shows no liabilities in several counterscreening assays.

911494-53-6P
RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent)
(synthesis and biol. evaluation of (hydroxy) (carbamoyl) pyrimidinones as potent and orally bioavailable HIV integrase inhibitors)
911494-53-6 CAPLUS
Carbamic acid. {1-cyano-2-(phenylmethoxy)ethyl}- 1,1-dimethylethyl ester

ACCESSION NUMBER:
DOCUMENT NUMBER:
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TITLE:

AUTHOR(S):

AUTHOR(S):

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AUTHOR (A):

AUTHOR (S):

AUTHOR (A):

PUBLISHER:
DOCUMENT TYPE:
LANGUAGE:
OTHER SOURCE(S):
GRAPHIC IMAGE:

ARSTRACT:
The synthesis and in vitro activities of a series of succinyl-nitrile-based inhibitors of Cathepsin S 1 [R1 = cyclohexyl, 4-methylcyclohexyl, 2-indanyl, atc.: R2 = H, R3 = PHCH2CH2. PHCH2CH2. 4-CICGHACH2CH2: R2R3 = CH2CH2. (CH2)2N(cyclo-CGHID1CH2. (CYClo-CGHID1CH2. (CYClo-C

324795-09-7P 939776-06-4P RL: PAC (Pharmacological notivity); SPN (Synthetic preparation): BIOL (Biological study): PREP (Preparation) (preparation of succinamide-based mitrile-diamides including pyrrolldine and piperidine derives, as cathepsin S inhibitors) 324795-09-7 CAPIUS 4-Morphol inebutanamide, N-[(IR)-1-cyano-2-(phenylmethoxy)ethyl]-u-(cyclobxylmethyl)-y-oxo-, (uR)- (CA INDEX NAME)

Absolute stereochemistry.

ANSWER 3 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (9C1) (CA INDEX NAME) (Continued)

NH-C-OBu-L NC-CH-CH2-O-CH2-Ph

REFERENCE COUNT:

THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 4 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

939776-06-4 CAPLUS
4-Morphol inebutanamide, N-[(IR)-2-[(4-chlorophenyl)methoxy]-1-cyanoethyl]a-(cyclohexylmethyl)-y-oxo-, (aR)- (CA INDEX NAME)

Absolute stereochemistry.

REFERENCE COUNT:

THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
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DOCUMENT NUMBER:
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PAT	ENT .	NO.			KIN	D	DATE			APP1.	ICAT	ION	NO.		D.	ATE	
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		CN.	CO.	CR.	CU.	CZ.	DE.	DK.	DM,	DZ.	EC.	EE,	EG.	ES,	FI,	GB,	GD,
		GE.	GH.	GM.	HN.	HR.	HU.	ID.	IL.	IN.	IS,	JP.	KE,	KG,	KM,	KN,	KP.
		KR.	KZ.	LA.	LC.	LK.	LR.	LS.	LT.	LU.	LV.	LY.	MA,	ND,	MG,	MK,	MN,
		MV.	MX.	MZ.	NA.	NG.	NI.	NO.	NZ.	OM.	PG.	PH.	PL,	PT.	RO.	RS,	RU,
		SC.	SD.	SE.	SG.	SK.	SL,	SM.	SY.	T.1.	TN.	TN.	TR.	TT.	TZ,	UA.	UG,
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ABSTRACT:

Tilla Compds. Represented By The Formula I [Wherein Rl = H, mlky],
(un)substituted ary], etc.; R2 = CN, CONRERO or COZRS: A = CR3R4; B = CR5R6;
R3-R9 = independently H, (cyclo)alky], alkeny! or alkynyl: Arl =
(un)substituted (hetero)aryl: and their enantioners or salts thereof] were
prepared as perasticides. For example, amidation of aminomalonantirile
pretoluenesulonate with 4-triflucromethoxybenzop; chloride, and followed by
substitution with 1-chloro-2-chloromethoxybenzop gave Il. Il showed more than
80% control rate at 32 mg/kg p.o. on T. colubriformis and H. contortus. I have
advantageous pesticidal properties for the control of parasites in and on
warm-blooded animals.

ANSWER 5 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

REFERENCE COUNT:

THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 5 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

925680-14-4P. N-[2-(2-Chlorophenoxy)-1, 1-dicyanoethyl]-4LTifluoromethoxybenzamide 925680-15-5P. N-[1, 1-Dicyano-2-(2methoxyhenoxy) ethyl]-4-trifluoromethoxybenzamide 925680-16-6P.
N-[1, 1-Dicyano-2-[5-cyano-2-(2, 4-dichlorophenoxy) phenoxy] ethyl]-4LTifluoromethoxybenzamide 925680-17-PP. N-[2-(4-Chlorophenoxy)1, 1-dicyanoethyl]-4-trifluoromethoxybenzamide
RL: AGR (Agricultural use): RSU (Biological study, unclassified): SPN
(Synthetic preparation): BIOL (Biological study): PREP (Preparation): USES
(Uses)

(Uses)
(preparation of amidonitrile compds. as parasiticides)
925880-14-4 CAPLUS
Benzamide, N-[2-(2-chlorophenoxy)-1,1-dicyanoethyl]-4-(trifluoromethoxy)(CA INDEX NAME)

925680-15-5 CAPLUS
Benzamide, N-[1.1-dicyano-2-(2-methoxyphenoxy)ethyl]-4-(trifluoromethoxy)(CA INDEX NAME)

$$\underbrace{ \begin{array}{c} \text{OMe} \\ \text{O-CH}_2- \\ \text{CN} \\ \text{N} \\ \end{array}}^{\text{CN}} \underbrace{ \begin{array}{c} \text{O-CF}_3 \\ \text{O} \\ \text{N} \\ \end{array}}^{\text{O-CF}_3}$$

925680-16-6 CAPLUS
Benzamide, N-[1,1-dicyano-2-[5-cyano-2-(2,4-dichlorophenoxy)phenoxy]ethyl]4-(trillucrosethoxy)- (CA INDEX KAME)

925680-17-7 CAPLUS Benzamide, N-[2-(4-chlorophenoxy)-1,1-dicyanoethyI]-4-(trifluoromethoxy)-(CA INDEX NAME)

L4 ANSWER 6 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
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PATENT ASSIGNEE(S):
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PATENT INFORMATION:

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FAMILY ACC. NUM. COUNT:
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DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PAT	ENT .	NO.			KIN	D	DATE			APPL	ICAT	ION I	NO.		D.	ATE	
WO	2007	0148					2007			WO 2	006-	EP64	306		2	0060	717
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ARSTRACT:

Title compds, [I; m = 1-3: n = 0, 1: Arl = (bi)aryl, heteroaryl; RI = alkylene; R2, R3, R5 = ||, alkyl: R4 = aralkyl, cyclonlkyl, heterocyclyl, heteroaralkyl, etc.], were prepared for treatment of osteoporosis, tumor metastasis, unstable angina, and plaque rupture (no data). Thus, title compound (il) was prepared in 81% yield as a separable mixture of isomers via coupling of the corresponding acid and maine in DMF using EDCI hydrochloride, HORt, and N-methylmorpholine.

n

1T 924298-88-4P 924298-89-5P RL: PAC (Pharmacological activity); SPN (Synthetic preparation); TRU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

L4 ANSWER 6 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

L4

ANSWER 6 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
(prepn. of (hetero)arylearbonylaminocycloalkylearboxamides as cathepsin 8 inhibitors)
924298-88-6 CAPLUS
Carbamic acid, N-{(2R)-2-cyano-2-{[[((lR, 2S)-2-{[((l-methy)-1H-indol-2-y)]carbonyl]amino[exhy]-1,minog)]amino[exhy]-n-(4-methoxyphenyl)-phenylaethyl ester (CA INDEX NAME)

Absolute stereochemistry.

924298-89-5 CAPLIN Carbanic acid, N-[(2S)-2-cyano-2-[[[(1R,2S)-2-[[(1-methyl-1H-indol-2-yl)a-rbonyl]amino]cyclohexyl]carbonyl]amino]ethyl]-N-(4-methoxyphenyl)-, phenylmethyl ester (CA INDEX NAME)

924299-03-6P
RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT
(Reactant or reagent)
(preparation of (Intero)arylcarbonylaminocycloalkylcarboxamides as cathepsin
X inhibitors)
924299-03-6 CAPLUS
Carbamic acid. N-(2-amino-2-cyanoethyl)-N-(4-methoxyphenyl)-, phenylmethyl
ester (CA INDEX NAME)

L4 ANSWER 7 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
DOCUMENT NUMBER:
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MARPAT 145:314991

Patent Japanese

DOCUMENT TYPE: LANGUAGE: FAMILY ACC, NUM, COUNT: PATENT INFORMATION:

PATENT NO.

KIND DATE APPLICATION NO. DATE 20060907 20060127 A 20050127 JP 2006-18326 JP 2005-19042

JP 2006232824
PRIORITY APPLN. INFO.:
OTHER SOURCE(S):
GRAPHIC INAGE:

ABSTRACT:
The title compds., i.e. 1-phenylimidazole-4-carboxylic acid,
I-phenylimidazole-4-carboxnaide, and I-phenylimidazole-4-carbonitrile [1: R1 = C1-6 fluoronlky]: R2 = (un)substituted CONH2, COZH, cyano: X = II, halo, C1-6 alkyl, C1-6 alkyl, C1-6 alkyl, C1-6 alkory, C1-6 alkyl, C1-6 alkyl

908605-37-8P, N-[1-Cyano-1-mothy1-2-(4-fluorophenoxy)ethy]]-1-(2,6-dichloropheny!)-5-(1rifluoromethy!) imidazole-4-carboxamide RL-AGR (Agricultural use): BSU (Biological study, unclassified): SPN (Synthetic preparation): BBU (Biological study, unclassified): SPN (Uses) (Herbicide which comprises imidazole derivs., manufacturing methods) 908605-37-8 CAPLUS [III-midazole-4-carboxamide, N-[1-cyano-2-(4-fluorophenoxy)-1-mothylethyl]-1-(2,6-dichlorophenyl)-5-(trifluoromethyl)- (CA INDEX NAME)

L4 ANSWER 7 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

L4 ANSWER 8 0F 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
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DOCUMENT TYPE: LANGUAGE:

FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO. JP 2006199637
PRIORITY APPLN. INFO.:
OTHER SOURCE(S):
GRAPHIC IMAGE:

KIND ٨

Japanese 1

DATE APPLICATION NO. 20060803

DATE JP: 2005-13968 JP: 2005-13968 20050121 MARPAT 145:211036

ABSTRACT:
insecticides or scaricides containing the title compds. [1: R1 = C1-12 alkyl: R2 = each (un) substituted C1-6 alkyl or R3 and R4 are bonded together to form C3-8 cycloalkyl: or R3 and R4 are bonded together to form C3-8 cycloalkyl: n = 0-5: R5 = H. C1-6 alkyl, halo) as the active ingredients are disclosed. These compds. show high activity against insects or mites resistant to existing agrochem. or horticultural insecticides or nearicides and are highly safe against beneficial organisms, scene. Thus, 3-ethoxycarbon/bxy-1-methylpyraco1-4-ylcarbonyl E1 carbonate was stirred with 2-maino-2-ethylputnenitrile in MeCN at 0° for 30 min to; give crude N-(1-cyano-1-ethylpyrapyl)-3-hydroxy-1-methylpyrazo1e4-carboxamide which was stirred with methanesulfonyl chloride and K2C03 in MeCN at 60° for 12 h to give 37, 8% N-(1-cyano-1-ethylpropyl)-1-methyl-3-methylsulfonyloxypyrazo1e4-carboxamide at 125 ppm controlled larva of Nephotettix cincticeps on rice seedlings by 100%.

17 90469-68-2P, N-[1-Cyano-1-methyl-2-(phenoxy)ethyl]-3-hydroxy-1methylpyrazole-4-carboxamide 904692-89-3P, N-[1-Cyano-1-methyl-2(4-fluorophenoxy)ethyl]-3-hydroxy-1-methylpyrazole-4-carboxamide
904692-90-6P, N-[1-Cyano-1-methyl-2-[(4trifluoromethylphenyl)oxylethyl]-3-hydroxy-1-methylpyrazole-4-carboxamide
RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT
(Reactant or reagent)
(intermediate: preparation of N-cyanoalkyl-3-(alkylsufonyloxy)-1-H-pyrazole4-carboxamides as insecticides and acaricides)

ANSWER 8 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

904692-92-8P, N-[1-Cyano-1-mcthyl-2-(phenoxy)cthyl]-1-mcthyl-3[(mcthylsulfonyl)oxy]pyrazole-4-carboxamide 904692-93-9P,
N-[1-Cyano-1-mcthyl-2-(4-fluorophenoxy)cthyl]-1-mcthyl-3[(mcthylsulfonyl)oxy]pyrazole-4-carboxamide 904692-94-0P,
N-[1-Cyano-1-mcthyl-2-[(4-trifluoromethylphenyl)oxy]ethyl]-1-mcthyl-3[(mcthylsulfonyl)oxy]pyrazole-4-carboxamide
RL: ARR (Agricultural use): RSU (Biological study, unclassified): SPN
(Synthetic preparation): BIOL (Biological study): PREP (Preparation): USES
(Uses)
(Uses)
(preparation of N-cyanomlkyl-3-(alkylsufonyloxy)-1-H-pyrazole-4-carboxamides
as insecticides and acaricides)
904692-92-92-96 CAPLUS
IH-Pyrazole-4-carboxamide, N-(1-cyano-1-methyl-2-phenoxyethyl)-1-methyl-3[(methylsulfonyl)oxy]- (CA INDEX NAME) 11

ANSWER 8 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
904692-88-2 CAPLUS
HP-Pyrazole-4-carboxamide, N-(1-cyano-1-methyl-2-phenoxyethyl)-2, 3-dihydro-1-methyl-3-oxo- (CA INDEX NAME)

904692-89-3 CAPLUS IH-Pyrazole-4-carboxamide, N-[1-cyano-2-(4-fluorophenoxy)-1-methylethyl]-2,3-dihydro-1-methyl-3-oxo- (CA INDEX NAME)

904692-90-6 CAPLUS
1H-Pyrazole-4-carboxamide, N-[1-cyano-1-methyl-2-[4-(1rif]Doromethyl)phenoxylethyl]-2,3-dihydro-1-methyl-3-oxo- (CA INDEX NAME)

ANSWER 8 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

904692-94-0 CAPLUS

IH-Pyrazolu-4-carboxamide, N-[1-cyano-1-methyl-2-[4(trif[uoromethyl)phenoxy]ethyl]-1-methyl-3-[(methylsulfonyl)oxy](CA

L4 ANSWER 9 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
DOCUMENT NUMBER:
11TLE:
1A4:488414
1Chromatographic resolution process for the preparation of enantiomers of bentamidoacetonitriles from their racemates using chiral chromatographic stationary phases
DUCTRY, Pierre: Gauvry, Noeelle: Goebel, Thomas:
PATENT ASSIGNEE(S):
SOURCE:
DOCUMENT TYPE:

CODEN: PIXXU2
Patent
PT Int. Appl., 19 pp.
CODEN: PIXXU2
Patent

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: Patent English

PATENT	INFOR	NATI	ON:														
P	ATENT	NO.			KIN	D	DATE			APPL	1CAT	ION	NO.		D	ATE	
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		VN.	YU.	ZA,	ZM,	ZW											
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		CF,	CG.	CI.	CM,	GA,	GN,	GQ,	GW,	ML.	NR.	NE,	SN,	TD,	TG,	RA.	GH,
		GM,	KE,	LS,	MV,	MZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	۸L,	BY,
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ABSTRACT:
Pure enantiomers of benzoamidoacetonitriles [1: R1-R3 = hydrogen, halogen, nitro, cyano, (un) substituted alky1, (un) substituted alkony, (un) substituted alkeny1, (un) substituted alky1thio, (un) substituted alky1thio, (un) substituted alky1thio, (un) substituted alky1thio, (un) substituted alky1sulfiny1).

ANSWER 9 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

REFERENCE COUNT:

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 9 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) atc.: a.g., (-)-(S)-N-[1-cyano-2-(S-cyano-2-trifluorosethylphenoxy)-1-methylethyl]-4-trifluorosethylsulfanylbentaside] are prept by the chromatog. of alc. solns. (a.g., NeOH-E10H mixts.) of the 1 racemates [a.g., NeOH-E10H mixts.) of the 1 racemates [a.g., NeOH-E10H mixts.) of the 2 racemates [a.g., NeOH-E10H mixts.) of the 3 racemates [a.g., NeI-cyano-2-(S-cyano-2-trifluorosethylphenoxy)-1-methylethyll-4-trifluorosethylsulfanylbenzamide] using chiral chromatog, stationary phases (a.g., Chiralpapa polysaccharide), followed by the episerization of the unwanted enantiomer [a.g., (*)-(R)-N-[1-cyano-2-(S-cyano-2-trifluorosethylphenoxy)-1-methylethyl-4-trifluorosethylsulfanylbenzamide] into the 1 racemate by heating an aq. 1.4-dioxane soln. of it with NaCN, followed by chromatog, re-resoln.

IT 851976-50-6P
RL: PEP (Physical, engineering or chemical process): PYP (Physical process): SPN (Synthetic preparation): PREP (Preparation): PROC (Process) (chromatog, resolution process for the preparation of enantiomers of benzamidoacetonitriles from their racemates using chiral chromatog.)
RN 851976-50-6 (APLUS
CN Benzamide, N-[1-cyano-2-[5-cyano-2-(1rif]touromethyl)phenoxy]-1-methylethyl]-4-[(trif]uoromethyl)thio]- (CA INDEX NAME)

ΙT

887148-69-8P
RL: PUR (Purification or recovery): PREP (Preparation)
(chromatog, resolution process for the preparation of enantiomers of
benzamidoncetonitriles from their racemates using chiral chromatog.)
887148-69-8 CAPLUS
Benzamido, N-[(IS)-1-cyano-2-[5-cyano-2-(trifluoromethyl)phenoxy]-1methylethyl]-4-[(trifluoromethyl)thio]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

887148-70-IP
RL: PUR (Purification or recovery): RCT (Reactant): PREP (Preparation):
RACT (Reactant or reagent)
(resolution and epimerization of)
887148-70-I CAPLUS
Benzamide, N-{(IR)-I-cyano-2-{5-cyano-2-{trifluoromethyl)phenoxy}-1methylethyl]-4-{(trifluoromethyl)thio}- (CA INDEX NAME) ΙT

Absolute stereochemistry. Rotation (+).

L4 ANSWER 10 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
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1206: 380908 CAPLUS
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APPLICATION NO.

DATE

KIND DATE

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO.

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		CN.	CO.	CR.	CU,	CZ,	DE,	DK,	DN,	DZ,	EC,	EE,	EG,	ES,	Fl,	GB.	GD,
		GE.	GH,	CM.	HR.	HU.	ID,	IL.	1N,	15,	KE,	KG.	KM,	KP,	KR,	KZ,	LC,
		LK,	LR,	LS,	LT.	LU,	LV,	LY,	MA,	MD,	MG.	MK,	MN,	MW,	MX,	MZ,	NA.
		NG,	NI.	NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,
		SL.	SM,	SY,	TJ,	TM,	TN,	TR,	П.	TZ,	U۸,	UG,	US,	UZ,	VC.	VN.	YU,
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		IS.	17.	LT.	LU.	LV,	MC.	NL,	PL,	PT.	RO,	SE,	SI.	SK.	TR,	BF,	BJ.
		CF,	CG,	Cl,	CM,	GA,	GN.	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG,	B₩,	GH,
		GM,	KE,	LS,	MW,	MZ,	NA.	SD,	SL.	SZ.	TZ,	UG.	ZM,	Z₩,	AM.	۸Z,	BY,
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OTHER SOURCE(S):

MARPAT 144:432561

ASSTRACT:
The title compds. AC(CN) (R)B {A = QICONR1, etc.; Q1 = (un) substituted Ph, etc.; R1 = H, alkyl, haloalkyl, etc.; B5 = E(R3) (R4)WRS, etc.; R3 = H, alkyl, haloalkyl, etc.] alkyl, haloalkyl, excloalkyl, excloalkyl, etc.; W = 0, S, SO, etc.; R = H, alkyl, haloalkyl, cycloalkyl, etc.] are prepared Methods of using the title compds. are also claimed. Thus, N-(1-cyanor1-methyl-2-oct)thioethyl)-4-chlorophenylacetmaide was prepared in 3 steps from chloroacetone and 1-octanethiol. Compds. of this invention at 1000 ppa gave ≥ 90% to 99% kill of Spodoptera liture.

- ANSWER 10 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Contin 885026-13-1 CAPLUS Benzenecarbothiosmide, 2, 4-dichloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

ΙT

885027-47-4P 885027-49-6P 885027-51-0P
885027-53-2P 885027-55-4P 885027-51-0P
885027-59-8P 885027-61-2P 885027-63-4P
885027-59-6P 885027-76-4P 885027-69-0P
885027-71-4P 885027-76-9P 885027-78-0-0P
885027-71-4P 885027-76-9P 885027-78-0-0P
885027-71-4P 885027-76-9P 885027-80-0P
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885027-71-4P 885027-80-0P
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885027-49-6 CAPLUS
Carbanisidothioic acid, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-N'-(4-chlorophenyl)-, 1-methylethyl ester (CA INDEX NAME)

$$\begin{array}{c} \text{C1} & \text{Ne} \\ \text{O-CH}_2 - \text{C-N} & \text{SPr-i} \\ \text{N} & \text{C1} \end{array}$$

885027-51-0 CAPLUS Carbaminidchioic acid, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-N'-(4-chlorophenyl)-, 2-propenyl ester (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} C1 & & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & &$$

ANSWER 10 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

885027-61-2 CAPLUS
Carbamimidathioic acid, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-N-(4-chlorophenyl)-, (4-chlorophenyl)methyl ester (CA INDEX NAME)

$$C1$$

$$C1$$

$$N = c - N1 - c - CH_2 - O - C1$$

885027-63-4 CAPLUS
Carbamimidathioic acid, N-[2-(4-chlorophehoxy)-1-cyano-1-methylethyl]-N'-(4-chlorophenyl)-, (2-methylphenyl)methyl ester (CA INDEX MAME)

885027-65-6 CAPLUS
Acetic acid, [[[[2-(4-chlorophenoxy)-1-cyano-1-methylothyl]nmino][(4-chlorophenyl)imino]methyl]thio]-, methyl cater (9Cl) (CA INDEX NAME)

- L4 ANSWER 10 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 - 885027-53-2 CAPLUS Carbamimidothioic acid, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-N'-(4-chlorophenyl)-, 2-propynyl ester (9C1) (CA INDEX NAME)

$$\begin{array}{c} \text{C1} \\ \text{Me} \\ \text{O-CH2-} \\ \text{C-NH-} \\ \text{C-NH-} \end{array}$$

885027-55-4 CAPLUS Carbaniaidothioic acid, N-[2-(4-ch]orophenoxy)-1-cyano-1-methylethyl]-N'-(4-chlorophenyl)-, phenylmethyl ester (CA INDEX NAME)

$$\begin{array}{c} \text{Ne} & \text{S-CH2-Ph} \\ \text{O-CH2--} & \text{E-Ni--} \\ \text{DN} \end{array}$$

885027-57-6 CAPLUS
Carbamimidothioic acid, N-[2-(4-ch]orophenoxy)-1-cyano-1-methylethyl]-N'-(4-ch]orophenyl)-, (2-ch]orophenyl)methyl ester (CA INDEX NAME)

$$\begin{array}{c} & & \\ & & \\ \text{C1} & & \\$$

- 885027-59-8 CAPLUS Carbamimidathioic acid, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-N'-(4-chlorophenyl)-, (3-chlorophenyl)methyl ester (CA INDEX NAME)

L4 ANSWER 10 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

885027-67-8 CAPLUS
Propanoic acid, 2-[[[[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]amino][(4-chlorophenyl)lamino]methyllthio]-, ethyl ester (9CI) (CA INDEX NAME)

$$\begin{array}{c} \text{Ne} & \text{O} \\ \text{S-CH-C-OEL} \\ \text{O-CH2-N} & \text{Ne} \\ \text{Ne} \\ \text{Ne} & \text{Ne} \\ \text{Ne} \\ \text{Ne} & \text{Ne} \\ \text{Ne} \\ \text{Ne} \\ \text{Ne} & \text{Ne} \\ \text{N$$

885027-69-0 CAPLUS Carbamimidothioic acid, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-N'-(4-chlorophenyl)-, (4-chloro-3-pyridinyl)methyl ester (CA INDEX NAME)

885027-71-4 CAPLUS
Benzencerbethiosmide, 4-chloro-N-[2-(4-chlorophenoxy)-1-cyuno-1-methylethyl]- (CA INDEX NAME)

885027-76-9 CAPLUS Carbasisidothioic acid, N-[2-(4-chlorophenoxy)-1-cyano-1-mathylathyl]-N'-(4-chlorophenyl)-, cyanomathyl exter (CA INDEX NAME)

ANSWER 10 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

885027-78-1 CAPLUS
Carbamimidothioic acid, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-N'-(4-chlorophenyl)-, 6,6-dimethyl-2-hepten-4-ynyl ester (9Cl) (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 11 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
1-Piperezineacetamide, N-[(1S)-i-[[(1R)-i-cyano-2-(phenylmethoxy)ethyl]amino[carbonyl]-3-methylbutyl]-4-(4-pyridinyl)- (9CI)
(CA INDEX NAME)

Absolute stereochemistry

886758-74-3 CAPLUS
Pentanamide, 2-[[2-(4-chlorophenoxy)-2-methyl-1-oxopropyl]amino]-N-[(IR)-1-cyano-2-(phenylmethoxy)ethyl]-4-methyl-, (2S)- (CA INDEX NAME)

886758-76-5 CAPLUS

1H-laidazol=-4-acctamide, N-[(1S)-1-[[[(1R)-1-cyano-2-(phenylacthoxy)ethyl]amino]carbonyl]-3-methylbutyl]-5-methyl- (9C1) (CA INDEX NAME)

225119-39-1P 886758-72-1P 886758-75-4P
886758-77-6P
RL: PAC (Pharmacological activity): SPN (Synthetic preparation): BIOL (Biological study): PREP (Preparation)
(preparation of dipeptida nitrile inhibitors of cathepsin K)
225119-39-1 CAPLUS
IH-Indol-2-carboxumido. N-[(15)-1-[[[(1R)-1-cyono-2-(phenylacthoxylethyx]amino]carbonyi]-3-maihylbutyl]- (9C1) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 11 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER:
DOCHAERT NUMBER:
171TLE:
AUTHOR(S):
Althann, Eva: Altchholz, Reiner: Betschart, Claudia:
Buhl, Thomas: Green, Jonathan: Lattmann, Rene:
Missbach, Martin
Novartis Institutes for BioMedical Research, Rasel,
CH-4002, Switz.
SOURCE:
SOURCE:
Bioorganic & Medicinal Chemistry Letters (2006),
16(9), 2549-2554
CODEN: BRUCLES; ISSN: 0960-894X
Elsevier B, V,
DOCMMENT TYPE:
LANGIAGE:
CASRACT 144:468439
ASSTRACT:
ANSWER 11 OF 82
CAPLUS COPYRIGHT 2008 ACS on STN
2006:274326 CAPLUS
20

PUBLISHER: CODEN: RMCLES; ISSN: 0960-894X

PUBLISHER: Elsevier B. V.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 144:468439

ABSTRACT: A series of dipeptidyl mitriles as inhibitors of cathepsin K have been explored starting from lead structure Obz-Leu-NRHZCN (1C50 = 39 nW). Attachment of non-matural maino acid side chains in Pl and modification of the P3 subunit led to inhibitors with higher potency and improved pharmacokinetic properties.

225118-92-3P 225119-40-4P 886758-73-2P 886758-74-3P 886758-76-5P RI. PAC (Pharmacological activity); PKT (Pharmacokinetics); SPN (Synthetic preparation); BIOL (Biological study); PKEP (Preparation) (preparation of dipeptide nitrile inhibitors of cathepsin K) 225118-92-3 CAPLE:
Carbonic acid, [(15)-1-[[[(1R)-1-cyano-2-(phenylmethoxy)ethyl]amino]carbon yl]-3-methylbutyl]-, phenylmethyl ester (9C1) (CA INDEX NAME)

Absolute stereochemistry.

225119-40-4 CAPLUS
IH-Indole-2-carboxamide, N-[(IS)-1-[[((IR)-1-cyano-2-(ohenylaethoxy)ethyl]amino]carbonyl]-3-methylbutyl]-1-methyl- (9C1) (CAINDEX NAME)

Absolute stereochemistry.

886758-73-2 CAPLUS

ANSWER 11 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

886758-72-1 CAPLUS
1-Piperidi neacetamide, N-[(1S)-1-[[[(1R)-1-cyano-2-(phenylmethoxy)ethyl]amino]carbonyl]-3-methylbutyl]-4-phenyl- (9CI) (CAINDEX ANAE)

Absolute stereochemistry

886758-75-4 CAPLUS L-Leucinamide, N-(4-chlorophenyl)-2-methylalanyl-N-[(IR)-1-cyano-2-(phenylmethoxy)ethyl]- (9Cl) (CA INDEX NAME)

Absolute stereochemistry.

886758-92-5P 886758-93-6P RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Renctant or reagen) (preparation of dipeptide nitrile inhibitors of cathepsin K) 886758-92-5 CAPIUS Carbomic ncid, ((1S)-!-[[[(1R)-!-cyano-2-(phenylmethoxy)ethyl]amino]carbon yl]-3-methylbutyl]-, l.1-dimethylothyl ester (9C1) (CA INDEX NAME)

L4 ANSWER 11 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) Absolute stereochemistry.

886758-93-6 CAPLUS
Pentamanide, 2-asino-N-[(1R)-1-cyano-2-(phenylmethoxy)ethyl]-4-methyl-,
(2S)- (CA INDEX NAME) RN CN

Absolute stereochemistry.

REFERENCE COUNT:

THERE ARE IO CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
ABSTRACT:
The title compds. I [Ar = (un)substituted (heterolary); R1 = H, alkyl, haloalkyl, etc.; R2-R6 = H, halo, (un)substituted alkyl, etc.; or R2 and R3 are together alkylene; R7, R10 = NNZ, CH, SH, etc.; R8 = halo, NOZ, CR, etc.; R9 = od.; R1 (R11 = alkyl, (un)substituted Ph); with the proviso that m and p are not equal to 0 at the same timely which have advantageous pesticials may be repeated and reperitual rivellarly suitable for controlling parasites in warm-blooded animals, were prepared and formulated, E, g, a multi-step synthesis of II, starting from 4-fluoro-3-trifluoromethylbenkonirile, was given. Compound II reduced the number of nematode worms by more than 95% in in vivo test against Trichostrongylus colubriformis and Haemonchus contortus in Mongolian gerbils by peroral administration.

81/95-81-79 871795-83-4P 871795-85-6P 871795-87-9P 871795-89-9P 871795

$$\begin{array}{c|c} \operatorname{Ho_2c} & & \operatorname{he} & \operatorname{0} \\ & & \operatorname{O-CH_2-} & \operatorname{N-H-} & \operatorname{C-CF_3} \\ & & \operatorname{N-H-} & \operatorname{C-CF_3} \end{array}$$

871795-B3-4 CAPLUS
Benzamido, 4-[2-cyano-2-[[4-(trif]uoromethoxy)benzoyl]amino]propoxy]-3(trif]uoromethyl)- (CA INDEX NAME)

871795-85-6 CAPLUS

Benzoic acid, 3-[2-cyano-2-[[4-(trifluoromethoxy)benzoyl]amino]propoxy]-4(trifluoromethyl)- (CA [NDEX NAME)

871795-87-8 CAPLUS Benzamide, 3-[2-cyano-2-[[4-(trifluoromethoxy)benzoyl]amino]propoxy]~4-

L4 ANSWER 12 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
DOCUMENT NUMBER:
INVENTOR(S):

PATENT ASSIGNEE(S):
DOCUMENT TYPE:
LANGUAGE:
FAMILY ACC. NUM. COUNT:
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FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PAT	ENT	NO.			KIN	D	DATE			APPL.	ICAT	ION I	NO.		D	ATE	
WO	2005	1210	75		AI	•	2005	1222		WO 2	005-	EP62	07		2	0050	609
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		GE.	ĠH.	GM.	HR.	HŪ.	ID.	IL.	IN.	IS,	JP.	KE,	KG.	KM.	KP.	KR.	KZ.
		LC.	LK.	LR.	LS.	LT.	LU.	LV.	MA.	MD,	MG.	MK.	MN.	MW.	MX.	NZ.	NA.
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		SL.								TZ.							
			ZM.														
	RW:				KE.	LS.	MW.	MZ.	NA.	SD,	SL.	SZ.	TZ.	UG.	ZM.	ZW.	AM.
		AZ.	BY.	KG.	KZ.	MD.	RU.	TI.	TM.	AT,	BE.	BG.	CH.	CY.	CZ.	DE.	DK.
		EE.	ES.	FI.	FR.	GB.	GR.	HÚ.	IE.	IS,	IT.	LT.	LU.	MC.	NL.	PL.	PT.
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JP PRIORITY	2008	5017	61		T		2008	0124		IP 2	007-	5263	05		2	0050	609
PRIORITY	APP	LN.	INFO	:						EP 2	004-	1369	0		A 2	0040	610
				•						WO 2	005-	EP62	07		¥ 2	0050	609
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$$[R] \begin{bmatrix} R^1 & R^2 & R^3 & R^5 \\ A^T & & & R^4 \end{bmatrix} \xrightarrow{R^5} [R^7]_{n}$$

$$[R] [R] \begin{bmatrix} A^T & R^2 & R^3 \\ R^3 & R^4 \end{bmatrix} \xrightarrow{R^5} [R^7]_{n}$$

ANSWER 12 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (trifluoromethy) - (CA INDEX NAME) (Continued)

$$\begin{array}{c} \text{H}_2\text{N} - \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C} = \begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \\ \text{C$$

871795-89-0 CAPLUS
Benzamide, 3-[2-eyano-2-[[4-[(trifluoromethyl)thio]benzoyl]amino]propoxy]4-(trifluoromethyl)- (CA INDEX NAME)

871795-97-0P
RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent)
(preparation of mainoacctonitrile derivs. for controlling parasites on warm-blooded mnimnls)
871795-97-0 CAPLUS
Benzamide, 4-(2-maino-2-cyanopropoxy)-3-(trifluoromethyl)- (CA INDEX NAME)

REFERENCE COUNT: THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT 10/518, 210 Page 11

L4 ANSWER 13 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
DOCUMENT NUMBER:
INVENTOR(S):

PATENT ASSIGNEE(S):
SOURCE:

DOCUMENT TYPE:
LANGUAGE:
FAMILY ACC. NUM. COUNT:
FAMILY ACC. NUM. CO FAMILY ACC, NUM. COUNT: PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE KR 2007027570 PRIORITY APPLN. INFO.: MARPAT 143:478201 OTHER SOURCE(S): GRAPHIC INAGE:

ABSTRACT: The invention provides compds. RIR2NCO2CR3R4COR5 [R1 is CRGR7COR8, CRGR7CN or

ANSWER 13 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN INDEX NAME) (Continued)

Absolute stereochemistry.

L4 ANSWER 13 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) substituted 4-oxotetrahydrofuran-3-yl [R6 and R7 are independently H, (un)substituted alkyl, cyanosikyl, cyclosikylalkyl or arylalkyl or R6R7N is heterocyclosikyl or cyclosikyl; any alkyl of R6 and R7 can have a methylene replaced with 0, S, SO or SO2; R8 is H or (un)substituted arylalkyl, heteroarylalkyl, carboxy or alkyl ester or carboxanidoj; R2 is H or alkyl; R3, R4 are independently H, (un)substituted alkyl, cyclosikylalkyl or arylalkyl, where any alkyl of R3 and R4 can have a methylene replaced with 0, S, SO or SO2; R8 is (un)substituted heterocyclosikyl or an maino group) and harmaceutical compnis. comprising these compds, for treating or preventing diseases or disorders assocd, with the activity of cathepsin S. Thus, maino acid deriv. 1, prepch by a multistep sequence, has an ICSO of 6.6 in M and is at least 100 fold selective for cathepsin S over cathepsins K, B and L.

IT 869502-45-4P 869502-67-0P 869502-68-IP RL: PAC (Pharmacological nctivity): SPN (Synthetic preparation): THU (Therapeutic use): BIOL (Biological study): PREP (Preparation): USES (Uses) (preparation of amino acid derivs. as cathepsin S inhibitors)
RN 869502-45-4 CAPULS
CN Carbanic acid, [(1R)-2-[(2-chlorophenyl)methoxy]-1-cyanoethyl]-. (IS)-1-(cyclohexylmethyl)-2-(4-morpholinyl)-2-oxoethyl ester (9C1) (CA INDEX NAME)

Absolute stereochemistry.

869502-67-0 CAPLUS
Carbamic acid, [(iR)-i-cyano-2-(phenylmethoxy)ethyl]-,
(iS)-i-(cyclohexylmethyl)-2-(4-morpholinyl)-2-oxoethyl ester (9C1) (CA
INDEX NAME)

Absolute stereochemistry.

869502-68-1 CAPLUS
Carbasic acid, [1(S)-1-cyano-3-(phenylmethoxy)propyl]-.
(IS)-1-(cyclohexylmethyl)-2-(4-morpholinyl)-2-oxoethyl ester (9CI) (CA

L4 ANSWER 14 OF 82
ACCESSION NIMBER:
DOCUMENT NUMBER:
11TILE:
INVENTOR(S):
PATENT ASSIGNEE(S):
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PATENT ASSIGNEE(S):
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ACAPLUS COPYRIGHT 2008 ACS on STN
2005:811667 CAPLUS
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DOCUMENT TYPE: Patent English

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PA.	TENT	NO.			KIN	D	DATE			APP.	LICAT	10N	NO.		D	ATE	
WO	2005	0749	04		A2	-	2005	0818		WO :	2005-	US27	73		2	0050	131
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		GE,	GH,	GM,	HR,	HU,	ID.	IL.	IN,	IS	JP.	KE.	KG,	KP,	KR,	KZ,	LC,
							LV.	M۸,	MD,	MG	MX.	MN,	MW,	MX,	MZ,	NA,	ΝI,
		NO.	NZ,			PH,	PL,	PT.	RO,	RU	, SC.	SD,	SE,	SG,	SK,	SL,	SY,
		ŤJ,	TM,		TR,	17,	TZ,	UA,	UG,	US	, UZ,	VC,	YN,	YU,	Z٨,	ZM,	ZW
	RW:	BW,	GH,	GM,	KE,	LS,	MW,	MZ,	NA,	SD	. SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,
		AZ,	BY,	KG,	KZ,	MD,	RU,	TJ.	TM,	ΑT	BE.	BG,	CH,	CY,	CZ,	DE,	UK,
		EE,	ES,	FI,	FR,	GB,	GR,	HU,	IE,	IS	. 17,	LT,	LU,	MC,	NL.	PL,	PT,
								BJ,	CF,	CC	, CI,	CN,	GA.	GN,	CO,	G₩,	ML.
		MR,	ΝE,	SN,	TD,	TG											
ΑU	2005	2106	31		- Al		2005	0818		ΑU	2005- 2005- 2005-	2106	31		Z	0050	131
CA	2554	626			٨ì		2005	0818		CA	2005-	2554	626		2	0050	131
EP	1716	158			_A2		2006	1102		EP	2005~	7226	09		2	0050	131
	R:	۸Ţ,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GK	, <u>IT</u> ,	LI.	LU,	NI	SE,	MC,	PI,
		IE,	SI.	LT,	LV,	F1,	RO,	MX,	CY,	٨L	, TR,	BG,	CZ,	tt,	NU,	PL,	SK.
		BA,	HR.	IS,	YU												
BR	2005	0064	94		٨		2007	0213		BR	2005-	6494			2	0050	131
CN	1938	323			٨		2007	0328		CN	2005-	8001	0399		2	0050	131
JP	2007	5197	44		Ţ		2007	0719		JP	2006-	5515	15		2	0050	131
МX	2006	PA08	543		٨		2006	1211		MX	2006-	PASS	43		2	0060	728
IN	2006	DNO4	367		٨		2007	0810		1N	2006-	DN43	67		2	0060	728
NO	2006	0038	42		۸.		2006	1020		NO	2006-	3842			2	0060	829
US	2007	0880	01		٨l		2007	0419		US	2006-	5878	67		_ 2	0061	221
RIT	Y APP	LN.	1NF0	.:						US	2005- 2005- 2006- 2006- 2006- 2006- 2006-	5405	811		P Z	0040	130
										US	2004- 2005-	5474	98P		r 2	0040	224
	ou more				MAD					#()	2005-	0527	13		# 2	UUSU	131

OTHER SOURCE(S): GRAPHIC IMAGE: MARPAT 143:229992

ARSTRACT

AMSTRACT:
The present invention is directed to silyl-containing carboxamidus (83-Q-K(R2)-C(R1) (R1s)-C(O)-N(0)-E (I): variables defined below: o.g. morpholine-f-carboxylic noid ((R1b-1-(4-cyano-1-einhylpiperidin-4-yl)carbamoyll-2-(triacthylsilonyl)ethyllanid (shown as 11)) that are inhibitors of cystoine priceases, in particular, cathepsins B. K. L. P. and S and are therefore useful

SSC8693-84-3P. Morpholine-4-carboxylia data.

SSC8693-84-3P. Morpholine-4-carboxylia exid [-[[1-]
[heatylorysethyl]-1-cyanopropyllaerbamoyl]-2-(trinethylsinyl]ethyl]amide
SSS693-87-6P. Morpholine-4-carboxylia exid [-1-[2]
cyano-1-sethylethylaerbamoyl]-2-(trinethylailanyl)ethyl]amide
RI: PAC (Fharmacological activity): SSN (Synthetic preparation): TMU
(Therapeutic use): BIOL (Biological study): PREP (Preparation): USES
(Uses)

(drug candidate: preparation of silyl-containing carboxamides as cysteine
protease inhibitors)
SSC893-84-3 CAPLUS
4-Morpholinearboxamide. N-[2-[[1-cyano-1-[(phenylmethoxy)methyl]propyl]am
ino]-2-oxo-1-[(trimethylsilyl)methyl]slhyl)- (CA INDEX NAME)

862693-87-6 CAPLUS
4-Morpholinecarboxamide, N-[2-[[1-cyano-1-methy]-2-(phenylmethoxy)ethyl]amino]-2-oxo-1-[(trimethylsilyl)methyl]ethyl]- (CAINDEX JAME)

L4 ANSWER 15 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
DOCUMENT NUMBER:
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1NVENTOR(S):
1NVENTOR(S):
DOCUMENT TYPE:
LANGUAGE:
DOCUMENT TYPE:
LANGUAGE:
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DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PA	TENT	NO.			KIN	D	DATE			APPL	1CAT	ION	NO.		D	ATE	
WO	2005				Αl		2005										
	W:	AE,	AG,	AL.,	AM,	AT,	AU,	AZ.	BA,	BB,	BG,	BR.	BW.	BY.	BZ,		
		CN,	CO,	CR,	CU.	CZ.	DE,	DK,	DM,	DZ,	EC.	EE,	EG,	ES,	FI,	GB.	
		GE,	GH,	GM,	HR.	Hυ,	ID,	IL,	IN,	IS.	JP.	KE.	KG,	KP,	KR,	KZ.	
		LK,	LR,	LS,	LT.	LU,	LV,	MA,	MD,	MG,	MK.	MN,	MV.	MX,	MZ,		
		NO,			PG.		Pl.,			RU.						SL,	
		ŤJ,	TM,	TN.	TR.	TT,	TZ.	UA,	UG,	US,	υZ,	VC,	VN,	YU,	ZA,	ZM,	ZW
	RW:	B₩,	GH,	GM,	KE,	LS.	MW.	MZ,	N۸.	SD,	SL.	SZ,	TZ,	UG,	ZM,	Z₩,	AM,
		۸Z,			KZ,	MD,	RU.	TJ,	TM,	AT,	BE.	BG.	CH,	CY,	CZ,	DE.	DK.
		EE,	ES,		FR,	GB,	GR,	HV,	IE,	is,	IT,	LT,	w,	MC.	NL.	PL,	PT,
		RO.		SI,			BF.	BJ,	CF,	CG,	CI,	CN,	GA,	GN,	GQ,	GW,	MI.,
			NE.	SN.	TD,	TG									_		
ΑU	2004	2992	29		٨L		2005	0630		AU 2	004-	2992	29		2	0041	
CA	2547 1706	542			٨l	-	2005										
EP	1706	373			٨L		2006			EP 2							
	R:	۸T,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL.	SE.	MC.	PT,
		IE,	S1,	LT,	FI,	RO,	CY,	TR,	BG.	CZ,	EE.	HU,	Pł.,	SK,	18		
CN	1890	209			٨		2007	0103		CN 2	004-	8003	6940		2	004 I	209
BR	2004	0175	48		٨		2007	0327		BR: 2	004-	1754	8		2	0041	209
JP	2007	5139	11		Т		2007	0531		JP 2	006-	5434	81		2	0041	209
МX	1890 2004 2007 2006	PA06	625		٨		2006	0731		MX 2	006-	PA66	25		2	0060	609
US	2007	0378	81		A1		2007	0215		US 2	006-	5814	63		2	0060	717
IORIT'	Y APP	LN.	INFO	. :						EP 2							
										WO 2					₩ 2	0041	209
HER S					CAS	REAC	T 14	3:97	169:	MAR	PAT	143:	9716	9			
APHIC	INAG	E:															

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

ASSTRACT:
The invention relates to a preparation of N-(phenoxyethyl) benzamide derivs. of formula I wherein: R is halogen, alkyl, halonkyl, or alkoynkyl, etc.; X is a single bend, 0, S. S(0), or SO2; RI is (CN)1-4; R2 is (XI)1-5; XI is CN, halogen, (halo)skyl, or alkylthin, etc., useful as insocticides. For instance, N-(phenoxyethyl) benzamide derivative. Il was prepared via amination of 4-trilluoromethoxybenzoyl chloride with amine III. In vivo tests on trichostrongylus colubriformis and haeomochus contortus on acongolian gorbils showed that preferred invention compds. sharply reduced nematode infestation (for instance, compound II completely eliminated nematode infestation of 16 mg/kg).

856675-47-3P 856675-48-4P 856675-49-5P 856675-50-8P 856675-51-9P 856675-52-0P 856675-53-1P 856675-54-2P 956675-55-3P 856675-56-4P 856675-59-7P 856675-59-7P 856675-61-1P

L4 ANSWER 14 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

862693-85-4P. 2-Amino-2-[(benzyloxy)methyl]butyronitrile 862693-88-7P. 2-Amino-3-benzyloxy-2-methylpropionitrile RL. RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent) (preparation of sily]-containing carboxamides as cysteine protease inhibitors) 862693-85-4 CAPLUS Butanenitrile, 2-amino-2-[(phenylmethoxy)methyl]- (CA INDEX NAME)

RN 862693-88-7 CAPLUS CN Propanenitrile, 2-amino-2-methyl-3-(phenylmethoxy)- (CA INDEX NAME)

L4 ANSWER 15 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 856675-62-2P 856675-63-3P 856675-64-4P RL: ACR (Agricultural use): BSU (Biological study, unclassified): SPN (Synthetic preparation): BIOL (Biological study): PREP (Preparation): USES (Uses)

(Uses)
(prepn. of N-(phenoxyethyl)benzamide derivs. usoful as insecticides)
856675-47-3 CAPLUS
Benzamide, N-[1-cyano-2-[5-cyano-2-(2,4-dichlorophenoxy)phenoxy]-1methylethyll-4-(trifluoromethoxy)- (CA INDEX NAME)

856675-48-4 CAPLUS
Benzamide, N-[2-[2-(2-chloro-4-fluorophenoxy)-5-cyanophenoxy]-1-cyano-1-menhylethyl-4-(trifluoromocthyl)- (CA INDEX NAME)

856675-49-5 CAPLUS
Benzamide, N-[1-eyano-2-[5-cyano-2-(4-fluoro-2-methylphenoxy)phenoxy]-1methylethyl]-4-(trifluoromethyl)- (CA INDEX RAME)

856675-50-8 CAPLUS
Benzamida, N-[2-[2-(c]-chloro-4-fluorophenoxy]-5-cyanophenoxy]-1-cyano-1-methylothyl]-4-(rifluoromethoxy)- (CA INUEX NAME)

L4 ANSWER 15 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

856675-51-9 CAPLUS : Benzamide, N-[1-cyano-2-[5-cyano-2-(2, 4-dimethylphenoxy)phenoxy]-1-acthylethy]-4-(trifluoromethoxy)- (CA INDEX NAME)

856675-52-0 CAPLUS
Benzanide, N-[1-cyano-2-[5-cyano-2-(4-fluoro-2-methylphenoxy)phenoxy]-1methylethyl]-4-{trifluoromethoxy}- (CA INDEX NAME)

856675-53-1 CAPLUS
Benzamide, N-[2-[2-(2-chloro-4-methylphenoxy)-5-cyanophenoxy]-1-cyano-1methyletyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

ANSWER 15 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

$$\begin{array}{c} \text{NC} & \overset{\text{Me}}{\underset{\text{C1}}{\text{O-CF3}}} \\ \overset{\text{O-CF3}}{\underset{\text{CN}}{\text{CN}}} \end{array}$$

856675-58-6 CAPLUS
Benzaside, N-[2-[2-(4-chloro-2-fluorophenoxy)-5-cyanophenoxy]-1-cyano-1methylethyl]-4-(r:rfluoromethoxy)- (CA INDEX NAME)

856675-59-7 CAPLUS
Benzamide, N-[1-cyano-2-[5-cyano-2-(2, 4, 5-trichlorophenoxy) phenoxy]-1methylethyl-4-(trifluoromethoxy)- (CA INDEX NAME)

856675-60-0 CAPLUS
Benzamide, N-[1-cyano-2-[5-cyano-2-(2,4-dichlorophenoxy)phenoxy]-i-methylathyl]-4-[(trifluoromethyl)thio]- (CA INDEX NAME)

856675-61-1 CAPLUS

Benzamide, N-[-yeano-2-[5-cyano-2-(4-fluoro-2-methylphenoxy)phenoxy]-1methylehyl]-4-[(trfluoromethyl)thio]- (CA INDEX NAME)

ANSWER 15 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 856675-54-2 CAPLUS Benzamide, N-[1-cyano-2-[5-cyano-2-[2-(methylthio)phenoxy]phenoxy]-l-methyll-yll-4-(ririluoromethoxy)- (CA INDEX NAME)

$$\begin{array}{c|c} NC & O & CH_2 - C \\ \hline & O & CH_2 - C \\ \hline & NeS & CH_2 - C \\ \end{array}$$

856675-55-3 CAPLUS
Benzamide, N-[2-[2-(4-ch]oro-2-methylphenoxy]-5-cyanophenoxy]-1-cyano-1-methylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

$$\begin{array}{c} \text{NC} \\ \text{NC} \\$$

856675-56-4 CAPLUS
Benzamide, N-[2-[2-(4-bromo-2-chlorophenoxy)-5-cyanophenoxy]-1-cyano-1-methylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

$$\begin{array}{c} \text{NC} & \begin{array}{c} \text{Me} \\ \text{O} \\ \text{C1} \end{array} \\ \begin{array}{c} \text{CH2-} \\ \text{N} \end{array} \\ \begin{array}{c} \text{NH-} \\ \text{D} \end{array} \\ \begin{array}{c} \text{O} \\ \text{O} \end{array} \\ \begin{array}{c} \text{O} \\ \text{CF3} \end{array}$$

856675-57-5 CAPLUS
Benzamide, N-[2-[2-(2-chloro-4-cyanophenoxy)-5-cyanophenoxy]-1-cyano-1-methylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

L4 ANSWER 15 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

856675-62-2 CAPLUS
Benzamide, N-[2-[2-(2-chloro-4-methylphenoxy)-5-cyanophenoxy]-1-cyano-1-methylethyl-4-[[trifluoromethyl)thio]- (CA INDEX NAME)

856675-63-3 CAPLUS
Benzamide, N-[2-[2-(4-chloro-2-methylphenoxy)-5-cyanophenoxy]-1-cyano-1methylerhyl]-4-{{trifluoromethyl}thio}- (CA INDEX NAME)

856675-64-4 CAPLUS
Ben2nmide, N-[1-cyano-2-[5-cyano-2-(2-fluorophenoxy)phenoxy]-1methylethyl]-4-[(pentafluoroethyl)thio]- (9CI) (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 16 OF 82
ACCESSION NAMER:
DOCUMENT NUMBER:
17ITLE:
AUTHOR(S):
AUTHOR(S):
AUTHOR SOURCE:
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AUTHOR SOURCE:

ARKIVOC (Gainesville, FL, United States) (2005), (6), 33-45 CODEN: AGFUAR URL: http://www.arkat.usa.org/ark/journal/2005/106_Jua risti/1381/EJ-1381C.pdf Arkat USA Inc. Journal: (online computer file) English CASREACT 143:325839

PUBLISHER: DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S):

OTHER SOURCE(S): CASREACT 143:325839

RESURLA:
Results obtained in the reactions of Et2AlCN with exocyclic, endocyclic, and acyclic ap-tolylsulfinyl ketiaines are reported. Good conversions and salisfactory stereochem, results are obtained exclusively from cyclic ketiaines. Binie-enamine equilibrium accounts for the incomplete conversions and low reactivities observed for acyclic amines. Configurational assignments and mechanistic proposals are based on the conformational anal. of substrates and products.

IT 865363-84-4P
RL: SPN (Synthetic preparation): PREP (Preparation)
(major (ZR)-pentamenitrile: reactions of enantiopure B-ketimino sulfoxides with Et2AlCN, scope and limitations in asym. synthesis of grainonitriles are asym. Second Second

Absolute stereochemistry.

865363-85-5P
RL: SPN (Synthetic preparation): PREP (Preparation)
(major (2R)-propanenitrile: reactions of enantiopure \$\theta\$-ketimino sulfoxides with E12AICN, scope and limitations in asym. synthesis of \$\text{a-mainonitriles}\$
865363-85-5 CAPIUS
Benzeneacctonitrile. \$\text{a-[(R)-(4-methylphenyl)sulfinyl]methyl]-}
\$\text{a-[(phenylmethyl)amino]- (CA INDEX NAME)}\$ ΙŤ

Absolute stereochemistry.

L4 ANSWER 17 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:429386 CAPLUS
DOCUMENT NUMBER: 142:481750
11TLE: 142:481750
A preparation of acetonitrile of

INVENTOR(S):

142:481750
A preparation of acetonitrile derivatives, useful as pesticides
Gauvry, Noselle: Goebel, Thomas: Ducray, Pierre:
Pautrat, Francois: Kaminsky, Ronaldi Jung, Martin
Novartis A.-G., Seitz:: Novartis Pharma G. m. b. H.
PCT Int. Appl., 48 pp.
CODEN: PIXXO. PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATEN	T NO.			KIN	D	DATE			APPL	ICAT	ION .	NO.		D	ATE	
WO 20	050447	84		Al	-	2005	0519		WO 2	004-	EP12	559		2	0041	105
W		AG.	۸L,	AM.	AT.	AU,	AZ,	BA,	B8,	BG,	BR,	BW,	BY,	BZ,		
	CN.	CO.	CR,	CU.	CZ.	DE.	DK.	DM,	DZ,	EC,	EE,	EG,	ES,		GB,	
	GE,	GH,	GN,	HR,	HU,	1D,	IL.	1N.		JP.		KG.			KZ,	
	LK,	LR,	LS,	LT.	LU,		MA,	MD.		MK,	MN.	MW.	MX.	ΝZ,	NA,	NI,
	NO,	NZ,	OM,	PG,	PH,			RO,		SC,		SE,	SG,	SK,	SL,	SY,
	TJ,	TM,	TN.	TR,	TT,		UA,		US,	UZ,	VC,	VN,		ZA,	ZM,	ZW
R	W: BW,		GM,	KE,		MW,	NZ,	N۸.	SD,		SZ,	TZ,	UG,	ZM,	ZW.	AM,
	۸Z,	BY,	KG,	ĸz,	MD,				AT,				CY,			DK.
	EE,			FR,	GB,	GR,	HU,	IE,	15,	17,	LU,	MC,	NL.	PŁ,	PT,	RO,
	SE,			TR,	BF.	BJ.	CF,	CG,	CI,	CNI,	GA,	GN,	GQ,	G₩,	ML.	MR.
	NE,		TD,													
	042876	511		Ą		2005			AU: 2						0041	
CA 25				Αl		2005			CA 2						0041	
EP 16				_AI		2006			EP 2						0041	
R		BE,			DX,	ES,	FR,	GB,	GK,	11,	LI,	LU,	NL,	SE.	MC,	PI,
	16,		۲1,	RO,	CY,	TR.		CZ,					18			
	040162	94		Ą		2007			BR 2						0041 0041	
CN 19				Α		2007			CN' 2							
	075106			Ţ		2007				006-					0041 0060	
	OGPA05	036		٨.			0706		MX 2						0060	
KR 79				Bt		2008	0706		KR 2						0060	
	06CN01 070729			A A1		2007			US: 2						0060	
ORITY A				ΛI		2007	0329		EP 2						0031	
UKIII A	PPLN.	INTU	٠.						GB 2						0040	
									WO 2						0041	
ER SOUR PHIC IN				MAR	PAT	142:	4817	50	2	-100	LI 12			- 2	VV4 1	100

1.4 ANSWER 16 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

REFERENCE COUNT:

THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD, ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 17 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

ABSTRACT:
The invention relates to a preparation of acotomitrile derive. of formula i [wherein: X is Cl. Rr. or CF3: Y is a single bond, O. S. S(O), or SN2: W is 0 or S], useful as pesticides. The active ingredients have advantageous pesticidal properties. They are especially suitable for controlling parasites in and on ware-blooded animals. For instance, acctomitrile derivative II was prepared via etherification of alc. III by 3-fluoro-4-trifluoromethylbenzonitrile. The efficacy was calculated as the X reduction of the number of vorms in each gerbil, compared with the geometric average of number of worms from 6 infected and untreated gerbils (mongolien gerbils, 3.2 ag/kg: H. contortus: 100%, T. colubriformis: 100%).

(mongolian gerbils, 3.2 mg/kg: H. contortus.: 100%, T. colubriformia.: 100%).

1T 851976-33-5P 851976-34-6P 851976-35-7P 851976-36-6P 851976-37-9P 851976-33-0P 851976-39-0P 851976-40-4P 851976-42-6P 851976-44-9P 851976-40-4P 851976-42-6P 851976-52-8P 851976-54-0P 851976-52-0P 851976-54-0P 851976-56-2P 851976-54-0P 851976-56-2P 851976-64-2P 851976-64-0P 851976-68-2P 851976-68-2P 851976-68-2P 851976-68-2P 851976-68-2P 851976-68-2P 851976-78-0P 851976-78-2P 851976-74-4P 851976-76-69 851976-76-69 851976-76-69 851976-76-69 851976-76-69 851976-76-69 851976-76-69 851976-76-69 851976-76-69 851976-76-69 851976-76-69 851976-76-69 851976-76-74-4P 851976-76-69 851976-76-69 851976-76-69 851976-76-69 851976-76-69 851976-76-69 851976-76-69 851976-76-69 851976-76-69 851976-76-69 851976-76-69 851976-76-69 851976-76-79 851976-76-74-4P 851976-76-69 851976-76-77-79 851976-76-69 851976-76-69 851976-76-79 85197

(Uses)
(preparation of acotonitrile derivs, useful as pesticides)
851976-33-5 CAPLUS
Benzamide, N-[1-cyano-2-[5-cyano-2-(trifluoromethyl)phenoxy]-1methylathyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

- ANSWER 17 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
- 851976-34-6 CAPLUS Benzamide, N-[2-(2-chloro-4-cyanophenoxy)-1-cyano-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

851976-35-7 CAPLUS
Benzamide, N-[1-cyano-2-[4-cyano-2-(trifluoromethyl)phenoxy]-1methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

851976-36-8 CAPLUS Benzamide, N-[2-(2-chloro-5-cyanophenoxy)-1-cyano-1-mathylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

851976-37-9 CAPLUS
Benzamide, N-[1-cyano-2-[5-cyano-2-(trif]uoromethyl)phenoxy]-1methylethyl]-4-(trif]uoromethyl)- (CA INDEX NAME)

851976-38-0 CAPLUS
Benzamide, N-[2-(2-chloro-4-cyanophenoxy)-1-cyano-1-methylethyl]-4(trifluoromethoxy)- (CA INDEX NAME)

ANSWER 17 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

$$\begin{picture}(20,0) \put(0,0){\line(1,0){100}} \put(0,0){\line(1,0){100$$

851976-47-1 CAPLUS Benzamide, N-[2-(2-chloro-5-cyanophenoxy)-1-cyano-1-methylethyl]-4-[(trifluoromethyl) thio] (CA INDEX NAME)

851976-50-6 CAPLUS
Benzamide, N-[1-cyano-2-[5-cyano-2-(trifluoromethyl)phenoxy]-1-methylethyl]-4-[(trifluoromethyl)thio]- (CA INDEX NAME)

$$\bigcap_{CF_3}^{CN} O-CH_2 - \bigcap_{C=1}^{M_C} \bigcap_{NH}^{N} - \bigcap_{C=1}^{N} \bigcap_{NH}^{N} - \bigcap_{CF_3}^{N} O-CF_3$$

851976-52-8 CAPLUS Benzamide, N-[1-cyano-2-[5-cyano-2-(trifluoromethyl)phenoxy]-i-methylethyl]-4-[(trifluoromethyl)sulfonyl]- (CA INDEX NAME)

$$\bigcap_{F_2}^{CN} O - CH_2 - \bigcap_{CN}^{M_C} \bigcap_{N_1 - C}^{N_1 - C} \bigcap_{N_2 - CN}^{N_2 - CP_3} \bigcap_{N_2 - CP_3}^{N_2 - CP_3$$

851976-54-0 CAPLUS
Benzamido, N-[2-(2-bromo-4-cyanophenoxy)-1-cyano-1-methylethyl]-4(trifluoromethyl)- (CA INDEX NAME)

$$\begin{array}{c|c} \text{NC} & \text{Ne} & \text{O} \\ \hline \\ \text{O-CH}_2-\overset{\text{Ne}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{\text{C}}}{\overset{\text{C}}}{\overset{\text{C}}}{\overset{\text{C}}}{\overset{\text{C}}}{\overset{\text{C}}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{$$

L4 ANSWER 17 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

$$\begin{array}{c|c} \text{NC} & & \text{Ne} & \text{O} & \text{O-CF}_3 \\ & & \text{O} & \text{CH}_2 - \bigvee_{k=1}^{k} -NH - \bigvee_{k=1}^{k} -1 & \text{O-CF}_3 \\ \end{array}$$

851976-39-1 CAPLUS
Benzamide, N-[1-cyano-2-[4-cyano-2-(trifluoromethyl)phenoxy]-i-methylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

851976-40-4 CAPLUS Benzamido, N-[2-(2-chloro-5-cyanophenoxy)-i-cyano-1-methylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

851976-42-6 CAPLUS
Benzamide, N-[2-(2-chloro-4-cyanophenoxy)-1-cyano-1-methylethyl]-4[(trifluoromethyl)thio]- (CA INDEX NAME)

$$\bigcap_{l=1}^{NC} \bigcap_{0-CH_2-\sum_{l=1}^{Mc}-NH-l} \bigcap_{0-CF_3}^{N-CF_3}$$

851976-44-8 CAPLUS
Benzamide, N-[1-cyano-2-[4-cyano-2-(trifluoromethyl)phenoxy]-1-methylethyl]-4-[(trifluoromethyl)thio]- (CA INDEX NAME)

- ANSWER 17 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 851976-56-2 CAPLUS Benzamide, N-[2-(2-bromo-5-cyanophenoxy)-1-cyano-i-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

851976-58-4 CAPLUS Benzamide, N-[2-(2-bromo-4-cyanophenoxy)-1-cyano-1-methylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

851976-60-8 CAPLUS Benzamide, N-[2-(2-bromo-5-cyanophenoxy)-1-cyano-1-methylethyl]-4-(trifluoromethoxy) (CA INDEX NAME)

851976-62-0 CAPLUS Benzomide, N-[2-(2-bromo-4-cyanophenoxy)-1-cyano-1-methylathyl]-4-[(trifluoromethyl)thio]- (CA INDEX NAME)

851976-64-2 CAPLUS
Renzamida, N-[2-(2-bromo-5-cyanophenoxy)-1-cyano-1-methylethyl]-4[(trifluoromethyl)thio]- (CA INDEX NAME)

L4 ANSWER 17 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

851976-66-4 CAPLUS
Benzamide, N-[2-(2-bromo-4-cyanophenoxy)-1-cyano-1-methylethyl]-4[(trifluoromethyl)sulfinyl]- (CA INDEX NAME)

851976-68-6 CAPLUS
Benzamide, N-[1-cyano-2-[4-cyano-2-(trifluoromethyl)phenoxy]-1methylethyl]-4-[(trifluoromethyl)sulfinyl]- (CA INDEX NAME)

$$\begin{picture}(20,0) \put(0,0){\line(1,0){100}} \put(0,0){\line(1,0){100$$

851976-69-7 CAPLUS
Benzamide, N-[2-(2-chloro-5-cyanophenoxy)-1-cyano-1-methylethyl]-4[(trifluoromethyl)sulfinyl]- (CA INDEX NAME)

851976-70-0 CAPLUS
Benzamide, N-[2-(2-bromo-5-cyanophenoxy)-1-cyano-1-methylethyl]-4[(trifluoromethyl) sulfinyl]- (CA INDEX NAME)

ANSWER 17 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

851976-78-8 CAPLUS
Benzamide, N-[2-(2-chloro-5-cyanophenoxy)-1-cyano-1-methylethyl]-4[(trifluoromethyl)sulfonyl]- (CA INDEX NAME)

851976-80-2 CAPLUS Benzamide, N-[2-(2-brome-5-cyanophenoxy)-1-cyano-1-methylethyl]-4-[(trifluoremethy))sulfonyl]- (CA INDEX NAME)

REFERENCE COUNT: THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT L4 ANSWER 17 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

851976-72-2 CAPLUS
Benzamide, N-[1-cyano-2-[5-cyano-2-(trifluoromethyl)phenoxy]-1methylethyl]-4-[(trifluoromethyl)sulfinyl]- (CA INDEX NAME)

851976-74-4 CAPLUS
Benzamide, N-[2-(2-chloro-4-cyanophenoxy)-1-cyano-1-methyleihyl]-4[(rifluoromethyl) sulfonyl]- (CA INDEX NAME)

851976-76-6 CAPLUS Benzamide, N-[2-(2-bromo-4-cyanophenoxy)-1-cyano-1-methylethyl]-4-[(trifluoromethyl) sulfonyl]- (CA INDEX NAME)

$$\begin{array}{c} \text{Br} \\ \text{O- CH}_2 - \begin{bmatrix} Ne & 0 \\ -NH - \end{bmatrix} \\ NC \end{array}$$

851976-77-7 CAPLUS
Benzamide, N-[1-cyano-2-[4-cyano-2-(trifluoromethyl)phenoxy]-1methylethyl]-4-[(trifluoromethyl)sulfonyl]- (CA INDEX NAME)

L4 ANSWER 18 OF 82 CAPLIS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
DOCUMENT NUMBER:
142:93825
142:93825
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INVENTOR (S):
PATENT ASSIGNEE (S):
SOURCE: Askin, David, Lock, July VSA USA USA USA Pat. Appl. Publ., 8 pp. CODEN: USXXCO Patent English

DOCUMENT TYPE: LANGUAGE: FAMILY ACC, NUM. COUNT: PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. US 2004267026
PRIORITY APPLN. INFO.:
OTHER SOURCE (S):
GRAPHIC IMAGE: A1 20041230 US 2004-860916 US 2003-476389P CASREACT 142:93825: MARPAT 142:93825 20040604 P 20030606

ABSTRACT:
The invention provides a process for preparing title compds. I from N-moylated comminionitriles II via intermediates III under mild conditions, wherein RI = II, alkyl. -CH2O-mayl or myrl: X = CI or Br. Compds. I are very useful for the preparation of corresponding inidazole-containing pharmaceutical compds, such as locarian, and an area of the more managements. Science 1 of the preparation of corresponding inidazole-containing pharmaceutical compds, such as locarian, and an armonic terminal containing pharmaceutical compds, such as locarian, and a composition of the more pharmaceutical compds, such as locarian, and a composition of the more pharmaceutical compds, such as locarian, and a composition of the more pharmaceutical containing pharmaceutical containing the more pharmaceutical containing the

- IT 679412-75-0P
 RI: IMF (Industria) manufacture): RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent) (preparation trisubstituted issidazoles from acyleted asinonitriles via cyclization with tetrahalocarbons in presence of PPh3 to disubstituted haloimidazoles followed by Pd-entalyzed coupling with boronic acids)
 RN 679412-75-0 CAPLUS
 CN Pentanamide, N-[1-cyano-2-(phenylmothoxy)athyl]- (CA INDEX NAME)

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ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
247198-03-4P 247198-04-5P 247198-05-6P
247198-03-P 247198-10-3P 247198-11-4P
247198-09-0P 247198-10-3P 247198-11-4P
247198-15-8P 247198-11-6P 247198-11-4P
247198-15-8P 247198-13-6P 247198-11-4P
247198-15-8P 247198-18-9P 247198-20-55
247198-18-P 247198-12-P 247198-23-8P
247198-21-P 247198-22-P 247198-23-8P
247198-21-P 247198-22-P 247198-23-8P
247198-21-P 247198-22-P 247198-23-8P
247198-31-R 247198-13-P 247198-33-0P
247198-31-R 247198-35-P 247198-33-0P
247198-31-P 247198-35-P 247198-33-6P
247198-31-P 247198-35-P 247198-33-6P
247198-45-P 247198-46-P 247198-47-8P
247198-46-P 247198-46-P 247198-47-8P
247198-46-P 247198-46-P 247198-46-P
247198-68-P 247198-69-P 247198-60-3P
247198-68-P 247198-69-P 247198-77-8P
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247199-78-P
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L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
DOCUMENT NUMBER:
11TLE:
INVENTOR (S):
PATENT ASSIGNEE (S):
SOURCE:
DOCUMENT TYPE:

PROPRIENT TYPE:

COPYRIGHT TYPE:

CAPLUS COPYRIGHT 2008 ACS on STN
2004:550899 CAPLUS
141:173978
141:173978
Preparation of aminoacatonitrile derivatives as agricultural and horticultural insecticides
Andoh, Nobuharu: Sanpei, Osamu: Sakata, Kazuyuki
Nihon Nohyaku Co., Ltd., Japan
COUNTENT TYPE:

DOCUMENT TYPE:

Preparation of aminoacatonitrile derivatives as agricultural and horticultural insecticides
Andoh, Nobuharu: Sanpei, Osamu: Sakata, Kazuyuki
Nihon Nohyaku Co., Ltd., Japan
COUNTENT TYPE:

Preparation of aminoacatonitrile derivatives as agricultural and horticultural insecticides
Andoh, Nobuharu: Sanpei, Osamu: Sakata, Kazuyuki
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Preparation of aminoacatonitrile derivatives as agricultural and horticultural insecticides
Andoh, Nobuharu: Sanpei, Osamu: Sakata, Kazuyuki
Nihon Nohyaku Co., Ltd., Japan
COUNTENT TYPE:
 DOCUMENT TYPE:
LANGUAGE:
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
                          PATENT NO.
                                                                                                                                  KIND
                                                                                                                                                                DATE
                                                                                                                                                                                                                                   APPLICATION NO.
                                                                                                                                                                                                                                                                                                                                                         DATE
JP 1998-137806
EP 1999-107461
 OTHER SOURCE(S):
GRAPHIC IMAGE:
                                                                                                                                MARPAT 141:173978
 ABSTRACT:
The tille compds. Ari(Q)dC(0)NR3C(CN)R4(CR5R6)aW(CR7R8)bAr2 [1: Ari, Ar2 = (substituted) phr, (substituted) phenylaxy, (substituted) phenylaxetylene; (substituted) pyridyl and (substituted) anothyl; Q = CR1R2 (wherein R1, R2 = H, halo, (halo)alkyl, etc.; R-9, 0, S, SO2 or NR9 (wherein R9 = H, alkyl); a, b = 0-4: d = 0-1], useful as insecticides, were prepared E.g., a multi-step synthesis of II (starting from 4-chlorophenol and bromoncetaldehyde dimethylacetal), was given. The compds. I were tested against diamondback moth and against smaller tea terrix (data were given for representative compds. I).
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L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
(prepn. of aminoacetonitrile derivs. as agricultural and horticultural
insecticides)
RN 247197-14-4 CAPLUS
CN Benzeneacetamide, N-[2-(4-chlorophenoxy)-1-cyano-1-mathylethyl]- (CA
INDEX NAME)

247197-20-2 CAPLUS
Benzeneacetamide, 2-chloro-N-[2-(4-chlorophenoxy)-1-cyanoethyl]- (CAINDEX NAME)

247197-22-4 CAPLUS Benzeneacetamide, 2-chloro-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-(CA INDEX NAME)

247197-35-9 CAPLUS Benzeneacetamide, 2-chloro-N-[5-(4-chlorophenoxy)-1-cyano-1-methylpentyl]-(CA INDEX NAME)

247197-37-1 CAPLUS
Benzenesctiamids, 2-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyanopropyl]-(CA INDEX NAME)

$$\begin{array}{c|c} C1 & & C1 \\ \hline & O-CH_2- \begin{matrix} E_1 & O & C1 \\ \hline & CNJ- \begin{matrix} C-CH_2 \end{matrix} \\ \end{array}$$

- L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
- RN 247197-39-3 CAPLUS
 CN Benzeneacetamids, 2-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyanobutyl](CA INDEX NAME)

- RN 247197-41-7 CAPLUS
 CN Benzeneacetamide, 2-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyano-2-methylpropyl]- (CL INDEX RAME)
- i-Pr 0 C1
- RN 247197-43-9 CAPLUS
 CN Benzeneacetamide, 2-chloro-N-[2-(4-chlorophenoxy)-1-cyano-1-cyclopropylethyl)- (CA INDEX NAME)

- RN 247197-45-1 CAPLUS
 CN Benzeneacetaside, 2-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyano-2, 2-dimethylpropyl]- (CA INDEX NAME)
- RN 247197-56-4 CAPLUS CN Benzeneactaside, N-[2-(4-chlorophenoxy)-]-cyano-1-methylethyl]-2-fluoro-(CA INDEX MAME)
- L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued

RN 247197-67-7 CAPLUS
CN Benzeneacetanide, 3-chloro-N-[2-(4-chlorophenoxy)-1-cyano-1-cyclopropylethyl]- (CA INDEX NAME)

- RN 247197-68-8 CAPLUS
 CN Benzeneacetamide, 3-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyano-2, 2-dimethylpropyl]- (CA INDEX NAME)
- 0 CH2 CH2 CH2 C1
- RN 247197-71-3 CAPLUS
 CN Benzencectamide, 4-chloro-N-(1-cyano-1-methyl-2-phenoxyethyl)- (CA INDEX NAME)

RN 247197-72-4 CAPLUS :
CN Benzeneacetamide, 4-chloro-N-[1-cyano-1-methyl-2-(phenylthio)ethyl]- (CA INDEX NAME)

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 247197-62-2 CAPLUS
CN Benzeneacetamide, 3-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyanopropyl](CA INDEX NAME)

RN 247197-63-3 CAPLUS CN Benzeneacetamide, 3-chloro-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-(CA INDEX NAME)

RN 247197-64-4 CAPLUS CN Benzeneacetamide, 3-chloro-N-[5-(4-chlorophenoxy)-1-cyano-1-methylpentyl]-(CA INDEX NAME)

RN 247197-65-5 CAPLUS
CN Benzeneacetamide, 3-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyanobutyl](CA INDEX MAXE)

$$\begin{array}{c} \begin{array}{c} \begin{array}{c} \text{o-Pr} \\ \text{o-CH}_2-\stackrel{\circ}{\leftarrow} \text{-NH-}\stackrel{\circ}{\leftarrow} \text{-CH}_2- \end{array} \end{array} \\ \begin{array}{c} \text{c}_1 \end{array}$$

- RN 247197-66-6 CAPLUS
 CN Benzenesctamide, 3-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyano-2-methylpropyl]- (CA INDEX NAME)
- L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 247197-73-5 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[1-cyano-1-methyl-2-(phenylsulfonyl)ethyl](CA INDEX NAME)

RN 247197-74-6 CAPLUS
CN Benteneacet amide, 4-chloro-N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl](CA INDEX NAME)

RN 247197-75-7 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[5-(2-chlorophenoxy)-1-cyano-1-mathylpentyl](CA INDEX NAME)

RN 247197-76-8 CAPLUS
CN Benzeneactable, 4-chloro-N-[2-(3-chlorophanoxy)-1-cyano-1-methylethyl](CA INDEX NAME)

$$\begin{array}{c} \text{C1} & \overset{\text{Mo}}{\longrightarrow} \begin{array}{c} \text{O} \\ \text{O} \\ \text{CN} \end{array} \\ \begin{array}{c} \text{CH}_2 \\ \text{CN} \end{array} \\ \begin{array}{c} \text{C} \\ \text{CH}_2 \\ \end{array} \\ \begin{array}{c} \text{C} \end{array}$$

RN 247197-77-9 CAPLUS
CN Benzenescatamide, 4-chloro-N-[2-(4-chlorophenoxy)-i-cyanocthyl]- (CA INDEX NAME)

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued

RN 247197-78-0 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]
(CA INDEX NAME)

RN 247197-79-1 CAPLUS
CN Benzeneacetamido, 4-chloro-N-[3-[(4-chlorophenyl)methoxy]-1-cyano-1-methylpropyl]- (CA INDEX NAME)

RN 247197-80-4 CAPLUS
CN Benzeneacetamide. 4-chloro-N-[2-[(4-chlorophenyl)thio]-1-cyano-1methylothyl]- (CA INDEX NAME)

RN 247197-81-5 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[2-[(4-chlorophenyl)sulfonyl]-1-cyano-1-methylethyl]- (CA INDEX NAME)

RN 247197-82-6 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[5-(4-chlorophenoxy)-1-cyano-1-methylpentyl](CA INDEX NAME)

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued

RN 247197-90-6 CAPLUS
CN Benzeneacotamide, 4-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyano-2, 2-dimethylpropyl]- (CA INDEX NAME)

RN 247197-96-2 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]a, u-dimethyl- (CA INDEX NAME)

RN 247197-99-5 CAPLUS
CN Cyclopropanearboxamide, N-[2-(4-chlorophenoxy)-1-cyano-1-mathylothyl]-1(4-chlorophenyl)- (CA INDEX NAME)

RN 247198-00-1 CAPLUS
CN Cyclobutanecarboxamide, N-(2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-1-(4-chlorophenyl)- (CA INDEX NAME)

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continue

RN 247197-86-0 CAPLUS
CN Benzenecetamide, 4-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyanopropyl](CA 10DE NAME)

RN 247197-87-1 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyanobutyl](CA 1NDEX NAME)

RN 247197-88-2 CAPLUS
CN Benzeneocetamida, 4-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyano-2-methylpropyl]- (CA INDEX NAME)

$$\begin{array}{c} \text{C1} & \text{i-Pr} & \text{0} \\ \text{-} & \text{-} & \text{CH}_2 - \text{-} & \text{Ni} - \text{C} - \text{CH}_2 - \text{-} \\ \text{-} & \text{N} & \text{-} & \text{-} & \text{-} \end{array}$$

RN 247197-89-3 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[2-(4-chlorophenoxy)-1-cyano-1-cyclopropylethyl]- (CA INDEX NAME)

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 247198-01-2 CAPLUS (Velopentanecerboxamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-1-(4-chlorophenyl)- (CA INDEX MAME)

RN 247198-02-3 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]a, a-difluoro- (CA INDEX NAME)

$$\bigcap_{O-CH_2- \stackrel{\bullet}{\leftarrow} -NH- \stackrel{\bullet}{\leftarrow} -CF_2- \stackrel{\bullet}{\smile} ^{C1}}$$

RN 247198-03-4 CAPLUS CN Benzenencelamide, 4-chloro-N-[1-cyano-2-(4-iodophenoxy)-1-methylothyl]-(CA INDEX NAME)

RN 247198-04-5 CAPLUS
CN Benzeneacotamida, 4-chloro-N-[1-cyano-2-(4-fluorophenoxy)-1-methylethyl](CA INDEX NAME)

RN 247198-05-6 CAPLUS CN Benzeneacetamide, 4-chloro-N-[1-cyano-1-methyl-2-[3-

- L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)
- F3C O-CH2-C-NH-C-CH2-C1
- RN 247198-06-7 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)
- $\begin{array}{c|c} F_3C & & M_c & 0 \\ \hline & O-CH_2-C-NH-C-CH_2 & & C1 \\ \hline & CN & & C1 \\ \hline \end{array}$
- RN 247198-07-8 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-[1-cyano-1-methyl-2-[4-(pentafluoroethyl)phenoxy]ethyl]- (9CI) (CA INDEX NAME)
- $\begin{picture}(20,0) \put(0,0){\line(1,0){100}} \put(0,0){\line(1,0){100$
- RN 247198-08-9 CAPLUS
 CN Cyclopropanecarboxamide, 1-(4-chlorophenyl)-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)
- $\bigcap_{C-NH-}^{0} \bigoplus_{C-CH_2-0}^{Me} \bigcap_{C}^{CF_3}$
- RN 247198-09-0 CAPLUS
 CN Benzeneacelamide, 4-chloro-N-[1-cyano-2-[4-(heptafluoropropyl)phenoxy]-1methylethyl]- 9Ctl) (CA INDEX NAME)
- 1.4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
- Me 0 0 CH2 C- NH- C- CH2 C1
- RN 247198-15-8 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-[1-cyano-2-[4-[(heptafluoropropyl)thio]phenox
 y-[1-methylethyl] (GC1) (CA INDEX NAME)
- RN 247198-16-9 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-[1-cyano-2-[4-[(heptafluoropropyl)sulfonyl]ph
 enoxyl-1-methylethyl]- (9Cl) (CA INDEX NAME)
- $F_{3}C-CF_{2}-CF_{2}-\bigcup_{0}^{0}\bigcup_{0-CH_{2}-\bigcup_{c}-N_{1}+\bigcup_{c}-CH_{2}}\bigcup_{0-CH_{2}-\bigcup_{c}-N_{1}+\bigcup_{c}-CH_{2}-\bigcup_{c}-CH_{2}}C$
- RN 247198-17-0 CAPLUS
 CN Renzenacetanide, 4-chloro-N-[1-cyano-1-methyl-2-[4[(tridecefluorohexyl)thio]phenoxylethyl]- (9Cl) (CA INDEX NAME)
- RN 247198-18-1 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-[1-cyano-1-methyl-2-[4-[(trideafluorohayl)aulfonyl]phenoxylethyl]- (9C1) (CA INDEX NAME)
- F₃C- (CF₂)₆- 0 CH₂- NH- C- CH₂- C
- RN 247198-19-2 CAPLUS
 CN Benzeneacetamida, 4-chloro-N-[1-cyano-1-methyl-2-[4-[[5-(trifluoromethyl)-

- 14 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
- RN 247198-10-3 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-[1-cyano-2-[4-(1,1-dimethylethyl)phenoxy]-1methylethyl)- (CA INDEX NAWE)
- $\begin{array}{c} \text{L-Bu} \\ \begin{array}{c} \text{O-CH}_2 \begin{array}{c} \text{Me} \\ \text{-NH-} \begin{array}{c} \text{C-CH}_2 \end{array} \end{array} \end{array} \begin{array}{c} \text{C1} \\ \end{array}$
- RN 247198-11-4 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-[1-cyano-2-[4-(3, 3-dimethyl-1-butynyl)phenoxy]-1-methylcthyl]- (9C1) (CA INDEX NAME)
- $\begin{array}{c} \text{L-Bu-C} = \text{C} \\ & \begin{array}{c} \text{Ne} \\ \text{O-CH}_2 \begin{array}{c} \text{C} \\ \text{C-NH}_2 \end{array} \\ \end{array} \\ \begin{array}{c} \text{C} \\ \text{C} \end{array}$
- RN 247198-12-5 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-[1-cyano-1-methy]-2-[4-(trifluoromethoxy)phenoxy]ethy]- (CA INDEX NAME)
- $\begin{array}{c|c} \mathbf{F_{3}C-0} & \mathbf{Me} & \mathbf{0} \\ \mathbf{0-CH_{2}-C-NH-C-CH_{2}} & \mathbf{C1} \\ \mathbf{N} & \mathbf{0} \end{array}$
- RN 247198-13-6 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-[1-cyano-1-methyl-2-[4-(methylthio)phenoxy]ethyl]- (CA INDEX NAME)
- MeS 0 0 CH2 CH2 CH2 CH2
- RN 247198-14-7 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-[1-cyano-1-methyl-2-[4-(methylsulfonyl)phenoxy]ethyl]- (CA INDEX NAME)
- L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 2-pyridinyl]oxy]phenoxy]ethyl]- (CA INDEX NAME)
- $F_3C \underbrace{\hspace{1cm} \bigvee_{l=0}^{N} -O-CH_2- \bigcup_{l=0}^{N} \bigcup_{l=0}^{N} -CH_2- \bigcup_{l=0}^{C} CH_2}_{CN} \underbrace{\hspace{1cm} \bigcap_{l=0}^{N} \bigcup_{l=0}^{N} -CH_2- \bigcup_{l=0}^{C} CH_2- \bigcup_{l=0}$
- RN 247198-20-5 CAPLUS
 CN Benzeneactanide, 4-chloro-N-[1-cyano-2-(2,4-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)
- O-CH₂-C-NH-C-CH₂-CH
- RN 247198-21-6 CAPLUS
 CN Benzencacctamide, 4-chloro-N-[l-cyano-2-(3, 4-dichlorophenoxy)-1methylethyl]- (CA INDEX NAME)
- RN 247198-22-7 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-[2-(3-chloro-4-fluorophenoxy)-1-cyano-1methylathyl]- (CA INDEX NAME)
- F 0-CH2-C-NH-C-CH2-C1
- RN 247198-23-8 CAPLUS
 CN Benzenencetamide, 4-chloro-N-[1-cyano-1-methyl-2-[4-nitro-3-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)
- F₃C 0-CH₂-E-NH-C-CH₂-C1
- RN 247198-24-9 CAPLUS

L4 ANSTER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
CN Benzeneacetamide, 4-chloro-N-[1-cyano-2-(3,5-dimethylphenoxy)-1methylethyl]- (CA INDEX NAME)

RN 247198-25-0 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[1-cyano-1-methy]-2(pentafluorophenoxy)ethy]- (9C1) (CA INDEX NAME)

RN 247198-26-1 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[1-cyano-2-[4-[(3,3-dichloro-2-propenyl)thio]phenoxy]-1-methylethyl]- (9C1) (CA INDEX NAME)

RN 247198-27-2 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[1-cyano-2-[4-[(3,3-dichloro-2-propeny]) sulfonyl]phenoxy]-1-methylethyl]- (9C1) (CA INDEX NAME)

$$C1_2C = CH - CH_2 - 0$$
 $O - CH_2 - 0$
 $O - CH_2 -$

RN 247198-29-4 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[1-cyano-1-methyl-2-[4-(phenylethynyl)phenoxy]ethyl]- (9CI) (CA-INDEX NAME)

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 247198-35-2 CAPLUS CN Benzeneaetanide, N-[1-cyano-1-methyl-2-[4-(1-methylethyl)phenoxy]ethyl]-4fluoro- (CA INDEX NAME)

RN 247198-36-3 CAPLUS
CN Benzeneacetumide, N-[1-cyano-1-methyl-2-[4-(trifluoromethoxy)phenoxy]ethyl
j-4-fluoro- (CA INDEX NAME)

$$\begin{array}{c|c} \mathbf{M_c} & \mathbf{0} \\ \hline \mathbf{0} - \mathbf{CH_2} - \mathbf{E} - \mathbf{NI} - \mathbf{E} - \mathbf{CH_2} - \mathbf{E} \\ \mathbf{E} \mathbf{N} \end{array}$$

RN 247198-37-4 CAPLUS
CN Benzeneactanide, N-[1-cyano-1-mathyl-2-[4-(trifluoromethyl)phonoxy]ethyl]4-fluoro- (CA INDEX NAME)

RN 247198-38-5 CAPLUS
CN Benzeneecctamide, N-[1-cyano-2-(4-cyanophenoxy)-1-methylethyl]-4-fluoro-(CA INDEX NAME)

RN 247198-39-6 CAPLUS
CN Benzenenceiamide, N-[1-cyano-1-methyl-2-(4-nitrophenoxy)ethyl]-4-fluoro(CA INDEX NAME)

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 247198-30-7 CAPLUS
CN Benzenesetaside, 4-chloro-N-[1-cyano-1-methyl-2-(2-nephthalenyloxy)athyl](CA INDEX MAME)

RN 247198-31-8 CAPLUS
CN Benzeneacetaaide. N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-4-fluoro(CA INDEX NAME)

RN 247198-32-9 CAPLUS
CN Benzeneacatamide, N-[2-[(4-chlorophenyl)methylamino]-1-cyano-1methylethyl]-4-fluoro- (CA INDEX NAME)

RN 247198-33-0 CAPLUS
CN Benzeneacetamide, N-[1-cyano-2-(4-fluorophenoxy)-1-methylethyl]-4-fluoro(CA INDEX NAME)

$$\label{eq:control_eq} \begin{picture}(20,0) \put(0,0){\line(0,0){100}} \put(0,0){\line(0,0){100}}$$

RN 247198-34-1 CAPLUS CN Benzeneacetamide, N-[1-cyano-2-(4-iodophenoxy)-1-methylethyl]-4-fluoro-(CA INDEX NAME)

14 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

$$\begin{array}{c|c} o_2 N & & o_{-CH_2} \\ \hline & o_{-CH_2} - \begin{matrix} \bullet & \circ & \circ \\ - & \bullet & - & CH_2 \end{matrix} \\ \hline & c_N \end{array}$$

RN 247198-40-9 CAPLUS CN Benzeneacetamide, N-[2-(3-chloro-4-fluorophenoxy)-1-cyano-1-methylethyl]-4fluoro- (CA INDEX NME)

$$\begin{picture}(20,0) \put(0,0){\line(1,0){100}} \put(0,0){\line(1,0){100$$

RN 247198-41-0 CAPLUS CN Benzeneacetamide, N-[1-cyano-1-methyl-2-(pentafluorophenoxy)ethyl]-4fluoro- (9C1) (CA INDEX MAME)

RN 247198-43-2 CAPLUS CN Benzemencet and de, 4-bromo-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-(CA INDEX NAME)

RN 247198-45-4 CAPLUS
CN Bonzeneactnaide, N-[1-cyano-2-(4-iodophenoxy)-1-mathylethyl]-4-iodo- (CA INDEX NAME)

RN 247198-46-5 CAPLUS CN Benzeneactanide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]mthyl]-4-iodo- (CA INDEX NAME) L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 247198-47-6 CAPLUS
CN Benzeneacetanide, N-[1-cyano-2-(3,5-dimethylphenoxy)-i-methylethyl]-2-methyl- (CA INDEX NAME)

RN 247198-48-7 CAPLUS
CN Benzeneacetaide. N-[1-cyano-2-(3,5-dimethylphenoxy)-1-methylethyl]-3-methyl- (CA NDEX NAME)

RN 247198-49-8 CAPLUS CN Benzemencetaside, N-[i-cyano-2-(3,5-dimethylphenoxy)-1-methylethyl]-4-methyl- (CA INDEX RAME)

$$\stackrel{\text{Me}}{\longrightarrow} 0 - \text{CH}_2 - \stackrel{\text{Ne}}{\longleftarrow} 0 - \text{CH}_2 - \stackrel{\text{Ne}}{\longleftarrow} 0 - \text{CH}_2 - \stackrel{\text{Ne}}{\longleftarrow} 0$$

RN 247198-50-1 CAPLUS CN Benzenescelamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-3-(trifluoromethyl)- (CA INDEX NAME)

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) (CA INDEX NAME)

RN 247198-60-3 CAPLUS
CN Benzeneacetamide, N-[1-[(4-chlorophenoxy)methyl]-1-cyano-2-methylpropyl]-4-methoxy-(CA INDEN NAME)

$$\begin{array}{c} \text{c1} \\ \text{i-Pr} \\ \text{O-CH}_2 - \begin{array}{c} \text{C-NH-C-CH}_2 \\ \text{CN} \end{array} \end{array}$$

RN 247198-61-4 CAPLUS :
CN Benzeneacetamide, N-[2-(4-chlorophenoxy)-1-cyano-1-cyclopropylethyl]-4nethoxy- (CA INSEX NAME)

RN 247198-62-5 CAPLUS
CN Benzeneacciamide, N-[1-[(4-chlorophenoxy)methyl]-1-cyano-2, 2-dimethylpropyl]-4-mathoxy- (CA INDEX NAME)

RN 247198-64-7 CAPLUS
CN Bonzeneacu taide, N-[2-(4-chlorophenoxy)-1-cysno-1-methylethyl]-4-(hepisfluorophenyl)- (9C1) (CA INDEX NAME)

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 247198-51-2 CAPLUS
CN Benzeneacctamide, N-[1-cyano-2-(3,5-dimethylphenoxy)-1-methylethyl]-4-methyly- (CA INDEX MAME)

RN 247198-52-3 CAPLUS
CN Benzeneacetamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-4-methoxy(CA INDEX NAME)

RN 247198-57-8 CAPLUS CN Benzeneacetamide, N-[5-(4-chlorophenoxy)-1-cyano-1-methylpentyl]-4-methoxy-(CA INDEX NAME)

RN 247198-58-9 CAPLUS CN Benzenencelamide, N-[1-[(4-chlorophenoxy)methyl]-1-cyanopropyl]-4-methoxy-(CA INDEX NAME)

RN 247198-59-0 CAPLUS
CN Benzeneacetamide, N-[1-[(4-chlorophenoxy)methyl]-1-cyanobutyl]-4-methoxy-

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued

RN 247198-65-8 CAPLUS
CN Benzeneactaside, N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-4(trifluoromethyl)- (CA INDEX NAME)

RN 247198-66-9 CAPLUS
CN Benzeneactamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-4(trifluoromethyl)- (CA INDEX NAME)

RN 247198-67-0 CAPLUS
CN Benzeneactemide, N-[1-cyano-2-(4-fluorophenoxy)-1-methylethyl]-4(trifluoromethyl)- (CA INDEX NAME)

RN 247198-68-1 CAPLUS
CN Bonzoneaclamide, N-[1-cyano-2-(4-iodophenoxy)-1-methylethyl]-4(trifluoromethyl)- (CA INDEX NAME)

RN 247198-69-2 CAPLUS CN Benzeneacelamide, N-[1-cyano-2-(2.4-dichlorophenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME) ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

247198-70-5 CAPLUS
Benzeneacetamide, N-[1-cyano-2-(2,4-difluorophenoxy)-1-methylethyl]-4(trifluoromethyl)- (CA INDEX NAME)

247198-71-6 CAPLUS Benzeneacelamide, N-[1-cyano-2-(2,6-difluorophenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

247198-72-7 CAPLUS
Benzeneacetamide, N-[1-cyano-2-(4-iodo-2-methylphenoxy)-1-methylethyl]-4(trifluoromethyl)- (CA INDEX NAME)

247198-73-8 CAPLUS
Benzeneacetamide, N-[1-cyano-1-methy]-2-[4-(trifluoromethyl) phenoxy]ethyl]4-(trifluoromethyl)- (CA INDEX NAME)

ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
247198-79-4 CAPLUS
Benzeneactemide. N-[l-cyano-2-[4-[(heptafluoropropyl)sulfonyl]phenoxy]-imethyletyl]-4-(trifluoromethyl)- (9Cl) (CA INDEX NAME)

247198-80-7 CAPLUS
Benzeneacetamide, N-[1-cyano-1-methy]-2-[4-[(tridecnf]uorohexy])thio]pheno
xy]ethy]]-4-(trifluoromethy])- (9Cl) (CA INDEX NAME)

247198-81-8 CAPLUS
Benzeneacetamide, N-[1-cyano-1-methyl-2-[4-[(tridecafluorohexyl)sulfonyl]phenoxy]ethyl]-4-(trifluoromethyl)- (9Cl) (CA INDEX NAME)

247198-82-9 CAPLUS Benzoic acid, 4-[2-yanno-2-[[[4-(trifluoromethyl)phenyl]acotyl]amino]propo xy]-, mothyl ester (9CI) (CA INDEX NAME)

247198-83-0 CAPLUS
Benzenencetamide. N-[1-cyano-2-[4-[(3,3-dichloro-2-propenyl]sulfonyl]phenoxy]-1-methylathyl]-4-(trifluoromethyl)- (9C1) (CAINDEX NAME)

ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN 247198-74-9 CAPLUS

Benzeneacetamide, N-[1-cyano-1-methyl-2-[4-(pentafluoroethyl)phenoxy]ethyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

247198-75-0 CAPLUS
Benzeneacetamide, N-[1-cyano-2-[4-(heptafluoropropyl)phenoxy]-1-methylethyl]-4-(trifluoromethyl)- (9C1) (CA INDEX NAME)

247198-76-1 CAPLUS
Benzeneacetamide, N-[1-cyano-1-methyl-2-(4-phenoxyphenoxy)ethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

$$\begin{array}{c} \text{PhO} \\ \begin{array}{c} \text{II} \\ \text{O} \\ \text{CH}_2 \\ \end{array} \\ \begin{array}{c} \text{NI} \\ \text{O} \\ \text{CH}_2 \\ \end{array} \\ \begin{array}{c} \text{CF}_3 \\ \text{CH}_2 \\ \end{array}$$

247198-77-2 CAPLUS
Benzeneacotamide, N-[1-cyano-1-methy]-2-[4-(trifluoromethoxy)phenoxy]ethy]
-4-(trifluoromethy])- (CA INDEX NAME)

247198-78-3 CAPLUS Benzeneaccianide, N-[1-cyano-2-[4-[(heptafluoropropyl)thio]phenoxy]-1-methylethy]-4-[trifluoromethyl)- (9C1) (CA INDEX MAME)

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

247198-84-1 CAPLUS
Benzeneestaude, N-[1-cyano-2-[4-(3,3-dimethyl-1-butynyl)phenoxy]-1-methylethyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

247198-86-3 CAPLUS Benzeneacelamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-4-(pentafluoroethyl)- (9Cl) (CA NOEX NAME)

247198-87-4 CAPLUS
Benzeneacetamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-4-(pentfluoroethyl)- (9C1) (CA INDEX NAME)

247198-88-5 CAPLUS
Benzenencetamide, N-[1-cyano-1-methy]-2-[4-(trifluoromethy])phenoxy[cthy]]4-(heptafluoropropy])- (9C1) (CA]NDEX NAME)

247198-89-6 CAPLUS Benzeneacetamide, N-[1-cyano-2-(4-fluorophenoxy)-1-methylethyl]-4-nitro-(CA INDEX NAME)

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 247198-90-9 CAPLUS :
CN [1.1'-Biphenyl]-4-acetamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl](CA INDEX NAME)

RN 247198-91-0 CAPLUS
CN Benzeneacetaaide. 2,4-dichloro-N-[2-(4-chlorophenoxy)-1-cyano-1methylethyl]- (CA INDEX NAME)

RN 247198-92-1 CAPLUS
CN Benzeneacteaide, 2, 4-dichloro-N-[2-(4-chlorophenoxy)-1-cyano-1methylethyl]--methoxy- (CA INDEX NAME):

RN 247198-93-2 CAPLUS
CN Benzeneacetamide, 2,4-dichloro-N-[1-cyano-1-methy]-2-[4-(trifluoromethy])phenoxy]ethy]- (CA INDEX NAME)

RN 247198-94-3 CAPLUS

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

$$F_3C \underbrace{\hspace{1cm} \bigvee_{0-CH_2-\overset{M_e}{\longleftarrow} NH-\overset{0}{\longleftarrow} C-CH_2-\overset{F}{\longleftarrow} F}}_{} F$$

RN 247198-99-8 CAPLUS
CN Benzeneacetamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]3,5-bis(trifluoromethyl)- (CA INDEX NAME)

$$\begin{picture}(20,0) \put(0,0){\line(1,0){100}} \put(0,0){\line(1,0){100$$

RN 247199-01-5 CAPLUS
CN Benzeneactaide, N-[1-cyano-2-(4-fluorophenoxy)-1-methylethyl]-2.3,4,5,6-pentefluoro- (CA INDEX NAME)

RN 247199-02-6 CAPLUS
CN 2-Pyridineacetamide, N-[1-cyano-1-methyl-2-[4(rifluoromethyl)phenoxy]ethyl]-5-(trifluoromethyl)(CA INDEX NAME)

RN 247199-03-7 CAPLUS
CN 2-Pyridineacelamide, 3-chloro-N-[1-cyano-1-mathy]-2-[4-(irifluoremethyl) phenoxy]ethyl]-5-(trifluoremethyl)- (CA INDEX NAME)

$$\begin{array}{c|c} & \text{Ne} & \text{O} \\ & \text{O} & \text{CH}_2 - \text{C-NH-C-CH}_2 \\ & \text{CN} \end{array}$$

RN 247199-04-8 CAPLUS

L4 ANSWER 19 OP 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) CN Benzeneacetamide, 2, 6-dichloro-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]- (CA INDEX NAME)

RN 247198-95-4 CAPLUS CN Benzeneactanide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-2, 6difluoro- (CA 110EX NAME)

RN 247198-96-5 CAPLUS
CN Benzeneacetamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]2,6-difluoro- (CA INDEX NAME)

RN 247198-97-6 CAPLUS | Benzeneacetamide, N-[1-cyano-2-(4-fluorophenoxy)-1-methylethyl]-3, 4-difluoro- (CA INDEX NAME)

$$\begin{picture}(20,0) \put(0,0){\line(1,0){100}} \put(0,0){\line(1,0){100$$

RN 247198-98-7 CAPLUS
CN Benzeneacetamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]3,4-difluoro- (CA INDEX NAME)

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
CN 2-Maphthaleneacstamide, N-[2-(4-chlorophenoxy)-i-cyano-l-methylethyl](CA INDEX NAME)

RN 247199-05-9 CAPLUS
CN Benzeneacetanide, N-[2-[(4-chlorophenyl)methoxy]-1-cyano-1-methylathyl]-4(trifluoromethyl)- (CA INDEX MAME)

RN 247199-06-0 CAPLUS
CN Benzeneacetamido, 4-chloro-N-[2-[(4-chlorophenyl)methoxy]-i-cyano-1methyl-thyl]- (CA INDEX NAME)

RN 247199-09-3 CAPLUS
CN Benzenecetamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]4-(trifluoromethoxy)- (CA INDEX NAME)

RN 247199-10-6 CAPLUS
CN Renzencectamido, 4-chloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-2-fluoro- (CA INDEX NAME)

RN 247199-11-7 CAPLUS
CN Benzeneacetamide, 2-chloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-4-fluoro- (CA INDEX NAME)

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

$$\begin{array}{c|c} F_3C & & \\ \hline & O-CH_2- & \\ \hline & N-C-CH_2 \\ \hline & C \\ \end{array}$$

RN 247199-12-8 CAPLUS
CN Benzeneactamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]2, 4-difluoro- (CA INDEX NAME)

RN 247199-13-9 CAPLUS CN Benzeneactamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylothyl]-4-(phenylethynyl)- (CA INDEX NAME)

RN 247199-14-0 CAPLUS CN 2-Propensaide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-3-phenyl-(CA INDEX NAME)

RN 247199-15-1 CAPLUS
CN 2-Propynamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-3-phenyl(CA INDEX NAME)

14 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) CN Benzamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-3-(trifluoromethyl) (CA INDEX KAME) :

RN 247199-22-0 CAPLUS
CN Benzamide. N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-2(trifluoromethyl)- (CA INDEX NAME)

RN 247199-23-1 CAPLUS
CN Benzamide, N-[1-[(4-chlorophenoxy)methyl]-1-cyanopropyl]-4(trifluoromethyl)- (CA INDEX NAME)

$$\begin{array}{c} \text{Cl} & \begin{array}{c} \text{F1} \\ \\ \end{array} \\ \begin{array}{c} \text{O-CH}_2 - \begin{array}{c} \text{C-NI} + \end{array} \end{array} \end{array} \begin{array}{c} \text{CF}_3 \\ \end{array}$$

RN 247199-24-2 CAPLUS CN Benzamide, N-[2-(4-chlorophenoxy)-1-cyanoethyl]-4-(1rifluoromethyl)- (CA INDEX NAME)

RN 247199-25-3 CAPLUS
CN Benzamida N-[1-[(4-chlorophenoxy)methyl]-1-cyano-2, 2-dimethylpropyl]-4(trifluoromethyl)- (CA INDEX NAME)

RN 247199-28-6 CAPLUS
CN Benzaside, 4-chloro-N-[i-cyano-2-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]-i-methylethyl]- (9C1) (CA INUEX NAME)

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 247199-17-3 CAPLUS
CN 2-Propensaide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-3-(4-chlorophenyl)- (CA INDEX NAME)

RN 247199-18-4 CAPLUS
CN 2-Propynamide, 3-(4-chlorophenyl)-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl)- (CA INDEX NAME)

RN 247199-19-5 CAPLUS CN Benzamide, 4-chloro-N-(1-cyano-1-methyl-2-phenoxyethyl)- (CA INDEX NAME)

RN 247199-20-8 CAPLUS
CN Benzanide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-4(trifluoromethyl)- (CA INDEX NAME)

$$\begin{array}{c|c} F_3C & & \\ \hline & O-CH_2- \\ \hline & CNH-C \\ \hline \end{array}$$

RN 247199-21-9 CAPLUS

RN 247199-31-1 CAPLUS
CN Benzamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-3,5-dimethyl(CA INDEX NAME)

RN 247199-32-2 CAPLUS
CN Benzamide, N-[2-[(4-chlorophenyl)methoxy]-1-cyano-1-methylethyl]-4(trifluoromethyl)- (CA INDEX NAME)

RN 247199-33-3 CAPLUS
CN Benzamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-4(trifluoromethyy)- (CA INDEX NAME)

RN 247199-34-4 CAPLUS
CN Benzamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-3(trifluoromethcxy)- (CA INDEX NAME)

RN 247199-36-6 CAPLUS
CN Benzamide, N-[1-cyano-1-methyl-2-[4-(trif]uoromethyl)phenoxylethyl]-4fluoromethyl)phenoxylethyl]-4-

ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

$$\begin{array}{c|c} F_3C & & & & \\ \hline & O-CH_2- & -NH-C & & \\ \hline & N & & \end{array}$$

247199-37-7 CAPLUS Benzamide, 2, 4-dichloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

247199-38-8 CAPLUS
Benzamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-4-iodo-(CA INDEX NAME)

247199-39-9 CAPLUS Benzamide, N-[1-cyano-1-methyl-2-[4-(trif]uoromethyl)phenoxy]ethyl]-4-nitro- (CA INDEX NAME)

247199-40-2 CAPLUS
Benzamide, N-[1-cyano-1-methy1-2-[4-(trifluoromethy1)phenoxy]ethy1]-4(pentsfluoroethy1)- (9CI) (CA INDEX NAME)

$$\begin{array}{c} \text{F}_3\text{C} \\ \text{O-CH}_2 - \begin{array}{c} \text{NH-} \\ \text{ON} \end{array} \end{array}$$

247199-41-3 CAPLUS
Benzamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethoxy)phenoxy]ethyl]-4(trifluoromethyl)- (CA (NDEX NAME)

ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 247199-46-8 CAPLUS Benzamide, 2-chloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethy 1]- (CA INDEX RAME)

247199-47-9 CAPLUS : : Benzamide, 3-chloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

247199-48-0 CAPLUS Benzamide, 4-chloron-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

$$\begin{array}{c|c} F_3C & & \\ \hline & O-CH_2- \\ \hline & CN & \\ \end{array}$$

247199-49-1 CAPLUS
Benzamide, 2-chloron-{1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]4-mitro (CA INDEX NAME)

$$\begin{array}{c|c} F_3C & & & & \\ & & & \\ \hline & 0-CH_2- & & \\ \hline & C_N & & \\ \end{array}$$

247199-50-4 CAPLUS
Benzamide, N-[1-cyano-1-methyl-2-[4-(trif]uoromethyl)phenoxy]ethyl]-3-methoxy- (CA INDEX NAME)

247199-51-5 CAPLUS Benzamide, 3,4-dichloro-N-[1-cyano-1-methyl-2-[4-

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

247199-42-4 CAPLUS Benzamide, N-[1-cyano-1-methy]-2-[4-(trifluoromethyl)phenoxy]ethyl]-4-methoxy- (CA INDEX NAME)

247199-43-5 CAPLUS
Benzamide. 4-cyano-N-[1-cyano-1-methy1-2-[4-(trifluoromethy1)phenoxy]ethy1
]- (CA INDEX NAME)

$$\begin{array}{c|c} F_3C & & \text{Ne} & 0 \\ \hline & O-CH_2- \begin{matrix} & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ \end{array}$$

247199-44-6 CAPLUS Benzamide, 2,6-dichloro-N-[i-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

247199-45-7 CAPLUS Benzamide, 3,5-dichloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) (trifluoromethyl)phenoxy[ethyl]- (CA INDEX NAME)

$$F_{3}C \underbrace{\hspace{1cm} \stackrel{\text{Ne}}{\smile} O-CH_{2}-\stackrel{\text{Ne}}{\smile} -NH-\stackrel{\text{O}}{\smile} -NH-\stackrel{\text{C}}{\smile} -NH-\stackrel{\text{C}}{\smile}$$

247199-52-6 CAPLUS Benzamide, 2-chloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-4-fluoro (CA INDEX NAME)

247199-54-8 CAPLUS Benzamide, 2,5-dichloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

247199-55-9 CAPLUS
Benzasido, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-4[(trifluoromethyl)thio]- (CA INDEX MAME)

247199-56-0 CAPLUS Benzamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-2-methyl- (CA INDEX MAME)

247199-58-2 CAPLUS
Benzamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-4methyl- (CA INDEX NAME)

247199-59-3 CAPLUS
Benzamide, N-[1-cyano-1-methyl-2-[4-(trif]uoromethyl)phenoxy]athyl]-2-methoxy- (CA INDEX NAME) :

247199-60-6 CAPLUS
Benzamide, N-[1-cyano-1-methy]-2-[4-(trif]uoromethyl)phenoxy]ethyl]-2, 4-difluoromethyl)phenoxy]ethyl]-2, 4-difluoromethyl]ethyl]-2, 4-difluoromethyl]ethyl]-2, 4-difluoromethyl]ethyl]-2, 4-difluoromethyl]ethyllooromethylloo

247199-61-7 CAPLUS 3-Pyridinecarboxamide. 5,6-dichloro-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethy]- (CA INDEX NAME)

ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 247199-66-2 CAPLUS Benzoic acid, 4-[[[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]amino[carbony]-, methyl ester (CA INDEX NAME)

247199-67-3 CAPLUS
3-Pyridinecarboxamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

247199-68-4 CAPLUS
3-Pyridinecarboxamide, 2-chloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-6-methyl- (CA INDEX NAME)

247199-69-5 CAPLUS
4-Pyridinecarboxamide, 2,6-dichloro-N-[1-cyano-1-methyl-2-[4-(1rifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

247199-70-8 CAPLUS Benzamide, N-[1-cyano-1-methyl-2-[4-(trif]uoromethyl) phenoxy]ethyl]-4-(1, 1-dimethylethyl)- (CA INDEX NAME)

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

247199-62-8 CAPLUS
3-Pyridinecarboxamide, 5,6-dichloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phonoxy]ethyl]- (CA INDEX NAME)

247199-63-9 CAPLUS
3-Pyridinecarboxemide, 2-chloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl}- (CA INDEX NAME)

247199-64-0 CAPLUS
3-Pyridinecarboxamide, 6-chloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

$$\begin{array}{c|c} & \text{Me} & \text{O} \\ & \text{C1} & \text{C1} \\ & \text{C1} & \text{C1} \\ & \text{C2} & \text{C2} \\ \end{array}$$

247199-65-1 CAPLUS
2-Naphthalenecarboxamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

247199-71-9 CAPLUS Benzamide, 4-butyl-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA 18DEX NAME)

247199-72-0 CAPLUS
Benzamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-4(dimethylamino)- (CA INDEX NAME)

247199-73-1 CAPLUS
Benzamide, 4-cyano-N-[1-cyano-2, 2-dimethy]-1-[[4-(trifluoromethy])phenoxy]methy]propy]- (CA INDEX NAME)

247199-74-2 CAPLUS
3-Pyridinecarboxmaide, N-[1-cyano-1-methyl-2-[4-(crifluoromethyl)phenoxy]ethyl]-2-[(difluoromethyl)hio]- (CA INDEX NAME)

247199-75-3 CAPLUS
3-Pyridinecarboxamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxylethyl]-6-(difluoromethoxy)- (CA INDEX NAME)

$$F_{3C} = \bigcup_{l=0}^{M_0} \bigcup_{l=0}^{0} \bigcup_{l=0}^{N} \bigcup_{l=$$

247199-76-4 CAPLUS
Benzamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-2-

- L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 fluoro-4-(trifluoromethyl)- (CA INDEX NAME)
- F3C NH- CF3
- RN 247199-77-5 CAPLUS
 CN Benzamide, N-[1-cyano-1-methyl-2-[4-(trif]uoromethyl)phenoxy]ethyl]-4[(trifluorometyl)mmino]- (9Cl) (CA INDEX NAME)
- F3C NH- C-CF3
- RN 247199-78-6 CAPLIS
 CN Benzanide, 4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)
- F₃C NH-CH₂-O-CH₂
- RN 247199-79-7 CAPLUS
 CN Benzamide, 2,4-dichloro-N-[1-cyano-2,2-dimethyl-1-[[4-(trifluoromethyl)phenoxy]methyl]propyl]- '(CA INDEX NAME)
- 0-CH2-C-NH-C-C1
- RN 247199-80-0 CAPLUS
 CN Benzamide, 2, 4-dichloro-N-[1-cyano-2-methyl-1-[[4(trifluoromethyl)phenoxy]methyl]propyl]- : (CA INDEX NAME)
- L4 ANSTER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 CN 2-Pyridinecarboxamide, 3,5-dichloro-N-[1-cyano-1-methyl-2-[4(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)
- F3C 0-CH2-KNH-C C1
- RN 247199-89-9 CAPLUS
 CN 2-Pyridinecarboxamide, 3-chloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxylethyl]-5-(trifluoromethyl)- (CA INDEX NAME)
- RN 247199-90-2 CAPLUS
 CN Benzamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-4[[(trifluoromethyl)sulfonyl]amino]- (CA INDEX NAME)
- F3C Ne O NII- S CF;
- RN 247199-92-4 CAPLUS
 CN Benzamide, N-[-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-4[[trifluoromethyl)sulfonyl]- (CA INDEX NAME)
- RN 247199-93-5 CAPLUS
 CN 1-Naphthalenecarboxamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continue

RN 247199-81-1 CAPLUS
CN Benzamide, 4-cyano-N-[1-cyano-2-methyl-1-[[4-(trifluoromethyl)phenoxy]meth
yl]propyl]- (CA INDEX NAME)

RN 247199-85-5 CAPLUS
CN 2-Pyridinecarboxamide, N-[i-cyano-1-methyl-2-[4-(trifluoromethyl)phonoxy]ethyl]- (CA INDEX NAME)

- RN 247199-86-6 CAPLUS
 CN 3-Pyridinecarboxamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxylethyl]-2-(methylthio)- (CA INDEX NAME)
- F3C Ne 0 SNe N Ne 0 SNe
- RN 247199-87-7 CAPLUS
 CN 3-Pyridinecarboxamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)henoxy]ethyl]-2-(methylsulfonyl)- (CA INDEX NAME)

- RN 247199-88-8 CAPLUS
- L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 247199-94-6 CAPLUS
CN Benzamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-4(propylthio)- (CA INDEX NAME)

RN 247199-95-7 CAPLUS
CN Benzanide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]athyl]-4[(penide, under luoroethyl)thio]- (9C1) (CA INDEX NAME)

RN 247201-37-2 CAPLUS
CN Benzamide, 4-(acetyloxy)-N-[1-cyano-1-methyl-2-[4-(irifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

RN 438548-44-8 CAPLUS
CN Benzamide, N-[2-(2-chlorophenoxy)-1-cyuno-1-methylethyl]-4(trifluoromethyl)- (CA INDEX NAME)

ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

736172-72-8 CAPLUS Benzenepropanamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylmihyl]- (CAINDEX NAME)

736172-75-1 CAPLUS
Benzenepropananide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-2-fluoro-(CA INDEX NAME)

736172-78-4 CAPLUS :
Cyclopropanecarboxamide, N-[1-[(4-chlorophenoxy)methyl]-1-cyano-2, 2-dimethylpropyl]-1-(3-chlorophenyl)- (CA INDEX NAME)

$$\bigcap_{\substack{c=NH-c-CH_2-0\\N}}^{0} \bigcap_{\substack{t-Bu\\N}}^{t-Bu} \bigcap_{\substack{c=0\\N}}^{C1}$$

736172-82-0 CAPLUS
Benzeneacetamide, 4-chloro-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]«[1-methylethyl]- (CA INDEX NAME)

- ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 736172-91-1 CAPLUS 2-Propensaide, N-[]-cyano-1-methyl-2-[4-(1rifluoromethoxy)phenoxy]ethyl]-3-phenyl- (CA INDEX NAME)

736172-92-2 CAPLUS
Benzamide, 4-chloro-N-[1-cyano-2-[4-(3,3-dimethyl-1-butynyl)phenoxy]-1-methylethyl]- (9C1) (CA INDEX NAME)

736172-93-3 CAPLUS
Benzaside, 4-chloro-N-[1-cyano-1-methyl-2-[4-(phenylethynyl)phenoxy]ethyll-(9C1) (CA INDEX NAME)

247199-97-9P 247199-98-0P
RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT
(Reactant or reagent)
(preparation of aminoacetonitrile derivs. as agricultural and horticultural
insanticides)
247199-97-9 (CA INDEX NAME)

247199-98-0 CAPLUS Propanenitrile, 3-(4-chlorophenoxy)-2-(cthylamino)-2-methyl- (CA INDEX NAME)

ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

$$\begin{array}{c|c} \text{Ne} & 0 & Pr-i \\ \hline & 0 - CH2 - \frac{1}{C} - NH - \frac{1}{C} - \frac{1}{CH} - \frac{1}{C} \end{array}$$

736172-83-1 CAPLUS
Benzeneacetamide, 4-chloro-N-[1-cyano-2-[4-[(3, 3-dichloro-2-propenyl)oxy]phenoxy]-1-methylethyl]- (9C1) (CA INDEX NAME)

$$\begin{array}{c} \text{C1}_2\text{C} = \text{CH-CH}_2 - 0 \\ & \begin{array}{c} \text{Me} \\ \text{O-CH}_2 - \begin{array}{c} \text{C-CH}_2 \\ \text{O} \end{array} \end{array} \\ \begin{array}{c} \text{C1} \\ \text{O-CH}_2 - \end{array}{c} \end{array} \end{array}} \end{array}$$

736172-86-4 CAPLIN
Benzeneccelamide, 4-chloro-N-[1-cyano-2-[2.6-dichloro-4-[(3.3-dichloro-2-propeny)]sulfony]]phenoxy]-1-methylethyl]- (9Cl) (CA INDEX NAME)

736172-89-7 CAPLUS
Benzeneacetamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-2, 4,6-trimethyl- (CA INDEX NAME)

$$\begin{array}{c} \text{C1} \\ \text{O-CH}_2 - \begin{array}{c} \text{Ne} \\ \text{C-NH-C-CH}_2 \end{array} \end{array} \\ \begin{array}{c} \text{Ne} \\ \text{Ne} \end{array}$$

736172-90-0 CAPLUS
2-Naphthaleneacetamide, 6-chloro-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]- (CA INDEX NAME)

$$\begin{array}{c|c} & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ \end{array}$$

L4 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

DATE

L4 ANSWER 20 OF 82
ACCESSION NUMBER:
DOCUMENT NUMBER:
DOCUMENT NUMBER:
H40: 339247
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AUTHOR(S):
AUTHOR(S):
AUTHOR(S):
CORPORATE SOURCE:
SOURCE:
SOURCE:
DOCUMENT TYPE:
LABOR SOURCE:
SOURCE PUBLISHER: DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): GRAPHIC IMAGE: Bu CN OCH2Ph Bu N OCH2Ph

ABSTRACT:
A new general method for the synthesis of medicinally important diversely functionalized imidazoles from N-acylated a-maninonitriles has been developed. N-Acylated a-maninonitriles were reacted with triphenylphosphine and carbon tetrahalide to afford 2,4-disubstituted 5-halo-IH-imidazoles in good yield. This new methodol, was applied for the synthesis of 2-butyl-4-chloro-5-hydroxymathylimidazole. These haloimidazoles can be directly converted to 2,4.5-trisubstituted imidazoles through palladium-catalyzed coupling reactions. The reaction of N-[1-cyano-2-(phenylmethoxy)ethyl]pentanamide ([]) with carbon tetrachloride gave 2-butyl-4-chloro-5-[(phenylmethoxy)methyl]-IH-imidazole ([]) which upon deprotection gave 2-butyl-5-chloro-IH-imidazole-4-methanol, a synthetic intermediate for cozaer.

1T 679412-75-0P RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT ML: NCI (Neactant): 3rd (synthesis property): MR (Reactant or reagent) (preparation of functionalized imidazoles by triphenylphosphine-mediated reaction of halomethanes with N-(cyanomethyl) amides) 679412-75-0 CAPLUS Pentanamide, N-[I-cyano-2-(phenylmethoxy)ethyl]- (CA INDEX NAME)

REFERENCE COUNT:

39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 21 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
Benzenemethanesulfonamide, N-[1-cyano-2-(2,3-dichlorophenoxy)-1methylethyl]- (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 21 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2004:2845 CAPLUS
DOCUMENT NUMBER: 140:58401
TITLE: Neutron laminoacetonitriles having pesticidal N-sulfonylaminoacetonitriles having pesticidal properties Steiger, Arthur: Zambach, Werner: Bouvier, Jacques; Ducray, Pierre Novartis A.-G.: Switz.; Novartis Pharma G.a.b. H. PCT Int. Appl., 60 pp. CODEN: PIXXO2 Patent English I INVENTOR(S): PATENT ASSIGNEE (S): SOURCE: DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO. APPLICATION NO. KIND DATE

OTHER SOURCE(S): Office SOURCE(S).

ASSTROCT:

The tile compds. R2SO2NR3C(CN)R4[(CRSS6)X]nR1 [I: R1 = (un) substituted (heterolary1: R2 = alkyl, heloalkyl, cyclonkyl, etc.: R3 = H, alkyl, heloalkyl, etc.: R4 = m, R5 together with the haloalkyl, etc.: R4 = m, R5 together with the haloalkyl, etc.: R4 = m, R5 together with the haloalkyl, etc.: r6 H4 and R5 together with the heterocyclyl having 1-2 heteroatoms selected from N 0 and S: X = 0, S, SO, SO2: n = 0-1] which have advantageous pesticidal properties, and are suitable, in particular, for the control of parasites in warm-blooded animals (no biol. data), were prepared Preparation of N-[1-cyano-1-(2,3-dichlorophenoxymethyl) ethyl]-C-phenylaethanesulfonamide is described (no data for intermediates and target compound). Pharmaceutical composition comprising the compound I is claimed.

IT 638207-94-0P
RL: ACR (Agricultural use): BSU (Biological study, unclassified): PAC
(Pharmacological activity): SPN (Synthetic preparation): THU (Therapeutic
use): BIOL (Biological study): PREP (Preparation): USES (Uses)
(use of N-sulfonylaminoacetonitriles having pesticidal properties)
RN 638207-94-0 CAPULS

L4 ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

2004:2844 CAPLUS

TITLE:

140:59414 Preparation of α-sulfonylamino-acetonitrile
derivatives useful in controlling and preventing the
infestation of plants by phytopathogenic
microorganisms, particularly fungi
Eberle, Martin: Stierli, Daniel; Mueller, Urs
Syngente Participations Ag, Switz.

PCT Int. Appl., 87 pp.

CODEN: PIXXD2

Patent

DOCUMENT TYPE: Patent English

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W: AE, AG, AL,	AM, AT, AU, AZ, I	BA, BB, BG, BR, BY,	BZ, CA, CH, CN,
CO, CR, CU,	CZ, ĐE, DK, DM, I	DZ, EC, EE, ES, F1.	GB, GD, GE, GH,
GM, HR, HU,	10, 11, IN, IS,	JP, KE, KG, KP, KR,	KZ, LC, LK, LR,
LS, LT, LU,	LV, MA, MD, MG, I	KK, KN, KW, MX, NZ,	NO, NZ, OM, PH,
PL, PT, RO,	RU, SC, SD, SE,	SG, SK, SL, TJ, TM,	TN, TR, TT, TZ,
UA, UG, US,	UZ, VC, VN, YU,	ZA, ZN, ZW	
RW: GH, GM, KE,	LS, MW, MZ, SD,	SL, SZ, TZ, UG, ZM,	ZW, AN, AZ, BY,
KG, KZ, MD.	RU, TJ, TM, AT,	BE, BG, CH, CY, CZ,	DE, DK, EE, ES,
FI. FR. GB.	GR. HU. IE. IT.	LU, MC, NL, PT, RO,	SE, SI, SK, TR,
BF, BJ, CF,	CG, C1, CM, GA,	CN, GQ, GW, ML, MR,	NE, SN, TD, TG
AU 2003279387	A1 20040106	AU 2003-279387	20030618
EP 1513802		EP 2003-740286	
R: AT, BE, CH,	DE, DK, ES, FR,	GB, GR, IT, L1, LU,	NL, SE, MC, PT.
IE, SI, LT,	LV, FI, RO, MK,	CY, AL, TR, BG, CZ,	EE, HU, SK
JP 2005529966	T 20051006	JP 2004-514793	20030618
US 2005234125	A1 20051020	US 2004-517977	20041215
PRIORITY APPLN. INFO.:		GB 2002-14116	A 20020619
US 2005234125 PRIORITY APPLN. INFO.:		WO 2003-EP6482	W 20030618
OTHER SOURCE(S): GRAPHIC IMAGE:			

The invention relates to 4-sulfonylamino-acetonitrile derivs, of the formula | [wherein: Arl, Ar2 = (un)substituted (hetero)aryl: R1, R2, R5, R6,

L4 ANSWER 22 OF 82 CAPLIS COPYRIGHT 2008 ACS on STN (Continued) R7, R8 = H, (un) substituted alkyl, (un) substituted alkyle (nn) substituted (nn) substituted alkyle (nn) substituted (nn) substituted alkyle (nn) substituted (nn) s

638209-24-2P
RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent)
(intermediate: preparation of α-sulfonylamino-acetonitrile derivs. and their use in preventing or controlling plants infestation by phytopathogenic microorganisms)
638209-24-2 CAPLIS
Butanenitrile, 2-mmino-2-[(4-chlorophenoxy)methyl]- (CA INDEX NAME)

11

ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

638207-94-0 CAPLUS
Benzenemethanesulfonamide, N-[1-cyano-2-(2,3-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

638207-95-1 CAPLUS 538207-95-1 CAPLUS Benzenemethanosulfonamide, N-[1-cyano-2-(2,4-dichlorophenoxy)-i-methylethyl]- (CA INDEX NAME)

638207-96-2 CAPLUS
Benzenemethanesulfonamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

$$\mathsf{Ph-CH}_2 = \bigvee_{N}^{\mathsf{N}} - \bigvee_{N}^{\mathsf{Me}} - \bigcup_{N}^{\mathsf{CF}_3}$$

638207-97-3 CAPLUS
Renzementhaneulfonamide. 2-chloro-N-[2-(4-chlorophenoxy)-1-cyuno-1-methylethyl]- (CA INDEX NAME)

ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 638208-95-4P 638208-96-5P 638208-98-7P 638208-99-8P 638209-01-5P 638209-05-9P 638209-05-9P 638209-05-9P 638209-07-1P 638209-05-9P 1-7P 638209-08-9P 638209-19-5P 6382 (Uses)
(prepn. of a-sulfonylamino-acetonitrile derivs, and their use in preventing or controlling plants infestation by phytopathogenic microorganisms)
638207-90-6 CAPLUS
Benzenmen hanesulfonamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-(CA INDEX NAME)

638207-91-7 CAPLUS
Benzenemethanesulfonamide, N-[1-[(4-chlorophenoxy)methyl]-i-cyanopropyl](CA INDEX NAME)

638207-92-8 CAPLUS
Benzencmethanesulfonamide, 4-chloro-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]- (CA INDEX NAME)

638207-93-9 CAPLUS
Benzenemethanesulfonamide, N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-(CA INDEX NAME)

1.4 ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

638207-98-4 CAPLUS
Benzenemethanesulfonamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-4-fluoro- (CA INDEX NAME)

638207-99-5 CAPLUS noszur-yy-5 CAPLIN Benzenemethanesulfonemide, N-[2-(4-chlorophenoxy)-i-cyano-i-methylethyl]-4-(aethylsulfonyl)- (CA INDEX NAME)

638208-00-1 CAPLUS Benzenemethenesulfonamide, 3-chloro-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl] (CA INDEX NAME)

638208-01-2 CAPLUS Benzenmethanssulfonemide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-2-(trifluoromethyl)- (CA INDEX RAME)

638208-02-3 CAPLUS
Benzementhanesulfonamide, 2.6-dichloro-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]- (CA KNDEX KAME)

ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 638208-03-4 CAPLUS Benzeneethanesulfonemide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-2-fluoro- (CA INDEX MAME)

638208-07-8 CAPLUS Benzenemenhanesulfonamide, N-[2-(4-chlorophenoxy)-1-cyano-1-[(1,1-dimethylethoxy)acthyl]ethyl]- (CA INDEX NAME)

638208-09-0 CAPLUS
Benzenemethanesulfonamide, N-[2-(4-ch]orophenoxy)-1-cyano-1-[(2-methylpropoxy)methyl]- (CA INDEX NAME)

638208-11-4 CAPLUS
Benzenemethanesulfonamide, N-[2-(4-chlorophenoxy)-1-cyano-1-[(2-propenyloxy)methyl]ethyl]- (9C1) (CA INDEX NAME)

$$\begin{array}{c} \text{CN} \\ \text{C1} \\ \text{C1} \\ \end{array} \\ \begin{array}{c} \text{CN} \\ \text{O-CH}_2-\text{C-CH}_2-\text{C-CH}_2-\text{CH} \\ \text{C1} \\ \text{C1} \\ \end{array} \\ \begin{array}{c} \text{CN} \\ \text{C1} \\ \text{C1} \\ \end{array} \\ \begin{array}{c} \text{CN} \\ \text{C1} \\ \text{C1} \\ \end{array} \\ \begin{array}{c} \text{CN} \\ \text{C1} \\ \text{C1} \\ \end{array} \\ \begin{array}{c} \text{CN} \\ \text{C1} \\ \text{C1} \\ \end{array} \\ \begin{array}{c} \text{CN} \\ \text{C1} \\ \text{C1} \\ \end{array} \\ \begin{array}{c} \text{CN} \\ \text{C1} \\ \text{C1} \\ \end{array} \\ \begin{array}{c} \text{CN} \\ \text{C1} \\ \text{C1} \\ \end{array} \\ \begin{array}{c} \text{CN} \\ \text{C1} \\ \text{C2} \\ \end{array} \\ \begin{array}{c} \text{CN} \\ \text{C1} \\ \text{C1} \\ \end{array} \\ \begin{array}{c} \text{CN} \\ \text{C1} \\ \text{C1} \\ \end{array} \\ \begin{array}{c} \text{CN} \\ \text{C1} \\ \text{C2} \\ \end{array} \\ \begin{array}{c} \text{CN} \\ \text{C1} \\ \text{C2} \\ \end{array} \\ \begin{array}{c} \text{CN} \\ \text{C1} \\ \end{array} \\ \begin{array}{c} \text{CN} \\ \end{array} \\ \begin{array}{c} \text{CN} \\ \text{C1} \\ \end{array} \\ \begin{array}{c} \text{CN} \\ \end{array} \\ \begin{array}$$

638208-13-6 CAPLUS
Benzenemethanesulfonamide, N-[2-(4-chlorophenoxy)-1-cyano-1(methoxymethyl)ethyl]- (CA INDEX NAME)

ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

638208-23-8 CAPLUS
Benzenemethanesulfonmmide, N-[1-[(4-chlorophenoxy)methyl]-1-cyano-2, 2-dimethylproyl]- (CA INDEX NAME)

638208-25-0 CAPLUS
Benzenemethanesul[fonamide, N-[2-(4-chloro-3-methoxyphenoxy)-1-cyano-1-methylcthyl] - (CA INDEX MAME)

638208-27-2 CAPLUS Benzeneachanesulfonamide, N-[2-(4-chloro-2-methoxyphenoxy)-1-cyano-1-methylothyl] (CA INDEX MAME)

638208-29-4 CAPLUS
Benzonemethanosulfonamidu, N-[1-cyano-1-methyl-2-[4-(trifluoromethoxy)phenoxy]ethyl]- (CA INDEX NAME)

L4 ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

638208-15-8 CAPLUS Benzencmethanesulfonamide, N-[1-[(4-chlorophenoxy)methyl]-1-cyanobutyl]-(CA INDEX NAME)

638208-17-0 CAPLUS
Benzenemethanesulfonamide, N-[2-(4-chlorophenoxy)-1-cyano-1-(fluoromethyl)ethyl]- (CA INDEX NAME)

638208-19-2 CAPLUS
Benzenemethanesulfonamide, N-[1-cyano-2-[(5,7-dichloro-8-quinolinyl)oxy]ethyl]- (CA INDEX NAME)

638208-21-6 CAPLUS
Benzenemethanesulfonamide, N-[1-[(4-chlorophenoxy)methyl]-1-cyano-2-methylpropyl]- (CA INDEX MAME)

L4 ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

638208-31-8 CAPLUS
Benzenenthanesulfonamide, N-[2-(4-chloro-2-fluorophenoxy)-1-cyano-1-methylethyl]- (CA NOME)

638208-33-0 CAPLUS
Benzenese thancsulfonamide, N-[2-(4-chloro-2-methylphenoxy)-1-cyano-1-methylcthyl]- (CA INDEX NAME)

638208-35-2 CAPLUS
Benzenemethanemulfonamide, N-[1-cyano-2-(4-fluorophenoxy)-1-methylethyl]-(CA INDEX NAME)

638208-37-4 CAPLUS
Benzenemethanemulfonamide, N-[1-cyano-1-methyl-2-(2,4,6-trichlorophenoxy)ethyl]- (CA INDEX NAME)

L4 ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 638208-39-6 CAPLUS :
CN Benzenmentannesulfonamide, N-[2-(4-chloror3-fluorophenoxy)-1-cyano-1methylethyl]- (CA INDEX NAME)

RN 638208-41-0 CAPLUS
CN Benzenemethanesuifonamide, N-[2-(4-chloro-3-methylphenoxy)-1-cyano-1-methylethyl]- (CA INDEX MAME)

RN 638208-43-2 CAPLUS CN Benzemeethanesulfonamide, N-[2-([1,1'-biphenyl]-4-yloxy)-1-cyano-1methylethyl]- (CA (NDEX MAME)

RN 638208-45-4 CAPLUS CN Benzenemethanesulfonamide, N-[l-cyano-1-methyl-2-(4-methylphenoxy)ethyl]-

L4 ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 638208-53-4 CAPLUS
CN Benzenesethanesulfonamide, N-[1-cyano-2-(4-methoxyphenoxy)-1-methylethyl](CA NDEX NAME)

RN 638208-54-5 CAPLUS CN Benzeneuchanesulfonamide, N-[1-cyano-1-[(4-methoxyphenoxy)methyl]propyl]-(CA INDEX NAME)

RN 638208-55-6 CAPLUS
CN Benzementhenesulfonamide, N-[1-cyano-1-methyl-2-[4-[(3-methyl-1, 2, 4-thiadiazoi-5-yl)oxy]phenoxylethyl]- (CA INDEX NAME)

RN 638208-56-7 CAPLUS CN Benzenescetaside, 4-[2-cyano-2-[[(phenylaethyl)sulfonyl]amino]propoxy]-(CA INDEX NAME) L4 ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) (CA INDEX NAME)

RN 638208-47-6 CAPLUS
CN Benzenemethanesulfonamide, N-[1-cyano-2-(4-cyclohexylphenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 638208-49-8 CAPLUS

RN Benzenemethanesulfonamide, N-[1-cyano-1-methyl-2-(3-methylphenoxy)ethyl](CA INDEX NAME)

RN 638208-51-2 CAPLUS
CN Benzeneae thanesulfonamide, N-[2-(4-chloro-3,5-dimethylphenoxy)-1-cyano-1-methylcltyl]- (CA INDEX RAME)

RN 638208-52-3 CAPLUS
CN Benzenemethanesulfonamide, N-[2-(4-chloro-3-ethylphenoxy)-1-cyano-1-methylphenioxy)-1-cyano-1-methylphenioxy)

L4 ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 638208-57-8 CAPLUS
CN Benzenmenthanesulfonamide, N-[1-cyano-2-[4-(1H-imidazol-1-yl)phenoxy]-1-methylethyl]- (CA INDEX NAME)

RN 638208-58-9 CAPLUS
CN Benzenemethanesulfonamide, N-[1-cyano-1-methyl-2-[4-(2-pyridinyloxy)phenoxy]ethyl]- (CA INDEX NAME)

RN 638208-59-0 CAPLUS
CN Renzeneme hanesulfonamide, N-[1-cyano-2-[4-(hexyloxy)phenoxy]-1-methylethyl]- (CA INDEX NAME)

RN 638208-60-3 CAPLUS
CN Benzeneuthnnesulfonmaide, N-[1-cyano-2-[4-[1-(mothoxyimino)ethyl]phenoxy]1-mothylethyl]- (CA INDEX NAME)

L4 ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 638208-61-4 CAPLUS CN Benzamide, 4-[2-cyano-2-[[(phenylmethyl)sulfonyl]amino]propoxy]- (CA INDEX NAE)

RN 638208-62-5 CAPLUS
CN Benzenemethanesulfonamide, N-[1-cyano-2-[4-[(3,5-dichloro-2-pyridinyl)oxy]phenoxy]-1-methylethyl]- (CA INDEX NAME)

RN 638208-63-6 CAPLUS
CN Benzenemethanesulfonamide, N-[1-cyano-1-methy]-2-[[6,7,8,9-tetrahydro-5-(methoxyimino)-5H-benzocyclohepten-2-yl]oxylethyl]- (CA INDEX NAME)

RN 638208-64-7 CAPLUS

L4 ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) CN Benzenearthanesulfonnaide, N-[1-cyano-2-[4-[(4,6-diethoxy-2-pyrimidiny])thio]phenoxy]-1-methylethyl]- (CA INDEX NAME)

RN 638208-69-2 CAPLUS
CN 4-Morpholinecarboxamide, N-[4-[2-cyano-2-[[(phenylmethyl)sulfonyl]amino]pr
opoxy]phenyl]- (CA INDEX NAME)

RN 638208-70-5 CAPLUS
CN Benzenemethanesulfonamide, N-[1-cyano-1-mothyl-2-[4-(methylsulfonyl)phenoxylethyl]- (CA INDEX NAME)

RN 638208-71-6 CAPLUS CN 4-Morpholinearboxylic acid, 2-[4-[2-cyano-2-[[(phenylmethyl)sulfonyl]amin olpropoxylphenoxylethyl ester (CA INDEX NAME)

RN 638208-72-7 CAPLUS
CN Bunzenemethanesulfonamide, N-[1-cyano-2-[4-[2-[(3-cyano-2-pyridinyl)oxy]ethoxy]phenoxy]-1-methylethyl]- (CA INDEX NAME)

L4 ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
CN Propansaide, N-[4-[2-cyano-2-[[(phenylmethyl)sulfonyl]amino]propoxy]phenyl
]-2, 2-dimethyl- (CA INDEX MARC)

RN 638208-65-8 CAPLUS
CN Benzenemethanesulfonamide, N-[1-cyano-1-methyl-2-[4-(methylthio)phenoxy]ethyl]~ (CA INDEX NAME)

RN 638208-66-9 CAPLUS
CN Propansalde, 2-[4-[2-cyano-2-[[(phenylmethyl)sulfonyl]amino]propoxy]phenox
y]- (CA INDEX NAME)

RN 638208-67-0 CAPLUS
CN Benzenemethanesulfonamide, N-[1-cyano-2-[4-[4.6-dimethoxy-2-pyrimidinyl)thio]phenoxy]-1-methylethyl]- (CA INDEX NAME)

RN 638208-68-1 CAPLUS

L4 ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 638208-73-8 CAPLUS CN Benzenemethanesulfonamide, N-[1-cyano-1-[(4-cyanophenoxy)methyl]propyl]-(CA INDEX RAME)

RN 638208-74-9 CAPLUS CN Benzementhanesulfonamide. N-[1-cyano-2-(4-cyanophenoxy)-1-methylethyl]-(CA INDEX NAME)

RN 638208-76-1 CAPLUS CN Renzenementhanesulfonamide, N-[1-cyano-1-methyl-2-[4-(1,3,4-oxadinzol-2-yl)phenoxy]ethyl- (CA INDEX NAME)

| RN | 638208-77-2 CAPLUS | Renzenemet hanssul fonamide | N-[1-cyano-1-[[4-(1, 3, 4-oxadiazol-2-y1)phonoxy]sethyl]propyl] | (CA INDEX NAME)

L4 ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

638208-78-3 CAPLUS
Benzenemethanesulfonamide, N-[1-cyano-1-mbthyl-2-[4-(methylsulfinyl)phenoxy]ethyl]- (CA INDEX NAME)

 $638208-79-4 \quad CAPLUS \\ Benzenemethanesul fonemide, \quad N-[1-cyano-1-[\dot{1}4-(5-ethyl-1, 3, 4-oxadiazol-2-yl)phenoxyl]aethyl]propyl]- \quad (CA | NMEX | NAME)$

638208-80-7 CAPLUS Benzenmethanesulfonamide, N-[1-cyano-1-[(4-ethoxyphenoxy)methyl]propyl]-(CA INDEX NAME)

638208-81-8 CAPLUS
Benzenemethanesulfonamide, N-[1-cyano-2-(4-ethoxyphenoxy)-1-methylethyl](CA INDEX NAME)

L4 ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

638208-86-3 CAPLUS
Benzenemethanesulfonamide, N-[1-cyano-1-[[4-(3,5-dimethyl-1H-pyrazol-1-yl)phenoxyl]methyl]propyl]- (CA INDEX NAME)

$$\begin{array}{c|c} \mathbf{Me} & & \mathbf{N} \\ & & \mathbf{N} \\ \mathbf{Me} & & \mathbf{O} - \mathbf{CH}_2 - \mathbf{C} - \mathbf{E}_1 \\ & & \mathbf{N} \\ \mathbf{N} & & \mathbf{N} \end{array}$$

638208-87-4 CAPLUS
Benzencmethanesulfonamide, N-[1-cyano-1-[[4-(2-pyridinyl)phenoxy]methyl]propyl]- (CA INDEX NAME)

$$Ph-CH_2-\begin{cases} Ph-CH_2-Ph$$

638208-88-5 CAPLUS
Benzencmethanesulfonemide, N-[1-cyano-1-[[4-(1H-pyrazol-1-yl)phonoxy]methyl]propyl]- (CA INDEX NAME)

638208-89-6 CAPLUS Benzencmethanesulfornmide, N-[1-cyano-1-methyl-2-[4-(1H-pyrnzol-tyl)phenoxy]ethyl]- (CA INDEX NAME)

ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

638208-82-9 CAPLUS
Benzenemethanesulfonamide, N-[1-cyano-1-[[4-(1H-1, 2, 4-triazol-1-yi)phenoxy]methyl]propyl]- (CA INDEX NAME)

638208-83-0 CAPLUS
Benzeneæthanesulfonamide, N-[1-cyano-1-methy]-2-[4-(1H-1, 2, 4-triazol-1-yl)phenoxy]ethy]|- (CA | NDEX NAME)

638208-84-1 CAPLUS
Benzolc acid, 4-[2-cyano-2-[[(phenylmethyl)sulfonyl]amino]propoxy]-, methyl est (CA INDEX NAME)

638208-85-2 CAPLUS
Benzenemethanesulfonamide, N-[2-(4-benzoylphenoxy)-i-cyano-1-methylethyl](CA INDEX NAME)

ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 638208-90-9 CAPLUS Benzeneethanesul fonaside. N-[1-cyano-1-methyl-2-[(6, 7, 8, 9-tetrahydro-5-oxo-5H-benzocycloheptem-2-yl)oxy]erhyl]- (CA INDEX NAME)

638208-91-0 CAPLUS
Benzenemethanesulfonamide, N-[1-cyano-1-[[4-(2-oxo-1-pyrrolidinyl)phenoxy]methyl]propyl]- (CA INDEX NAME)

638208-92-1 CAPLUS
Benzenemethanesul fonamide, N-[1-cyano-1-[[(6.7.8.9-tetrahydro-5-oxo-5H-benzocyclohepten-2-yl)oxy]methyl]propyl)- (CA INDEX NAME)

$$\begin{array}{c} \text{NI} - \begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \end{array} \\ \begin{array}{c} \text{O-CII}_2 - \text{Ph} \\ \\ \\ \\ \\ \end{array}$$

638208-93-2 CAPLUS Benzamide, 4-[2-cyano-2-[[(phenylmethyl)sulfonyl]amino]buloxy]-N, N-dimuthyl- (CA INDEX NAME)

1.4 ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 638208-94-3 CAPLUS
CN Benzenemethanesulfonamide, N-[1-cyano-1-[14-(2-quinoxalinyl)phenoxy]methyl]propyl]- (CA INDEX NAME)

RN 638208-95-4 CAPLUS
CN Benzenemethanesulfonamide, N-[2-[4-(acetyloxy)phenoxy]-1-cyano-1-methylethyl]- (CA INDEX NAME)

RN 638208-96-5 CAPLUS CN Benzenemethnesulfonamide, N-[1-cyano-2-(4-hydroxyphenoxy)-1-methylethyl]-(CA INDEX RAME)

RN 638208-98-7 CAPLUS
CN Benzeneerthanesulfonamide, N-[1-cyano-1-[[(4-methyl-2-oxo-2H-1-benzopyran-7-ylloxy]methyl]propyl]- (CA INDEX NAME)

L4 ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 638209-04-8 CAPLUS
CN Benzenemethanesulfonamide, N-[1-[(4-aminophenoxy)methy]]-1-cyanopropy1]-(CAINDE MAME)

RN 638209-05-9 CAPLUS
CN Benzenemethaneaulfonamide, N-[1-cyano-1-[(4-iodophenoxy)methyl]propyl](CA INDEX NAWE)

RN 638209-06-0 CAPLUS
CN Benzenemethanesulfonamide, N-[1-cyano-1-methyl-2-[4-(1-methylethyl)phenoxy]ethyl]- (CA INDEX NAME)

RN 638209-07-1 CAPLUS
CN Benzencemethanesulfoneside, N-[1-cyano-1-[[4-(phenylmethoxy)phenoxy]methyl]
propyl] CA INDEX NAME)

L4 ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 638208-99-8 CAPLUS
CN Benzenemthanesulfonamide. N-[1-cyano-1-[[(2-oxo-2H-1-benzopyran-7-y1)oxy]methy1]propy]]- (CA INDEX NAME)

RN 638209-01-5 CAPLUS
CN Benzenemethanesulfonamide, N-[1-cyano-1-[[4-(1-methylethoxy)phenoxy]methyl]propyl]- (CA INDEX NAME)

RN 638209-02-6 CAPLUS
CN Benzenemethanesulfonamide, N-[1-[[4-(2-amino-2-cyanobutoxy)phenoxy]methyl]1-cyanopropyl]- (CA INDEX NAME)

$$\begin{array}{c} \text{CN} \\ \text{Et} - \begin{array}{c} \text{CN} \\ \text{H} - \begin{array}{c} \text{CH}_2 - \text{CH}_2 - \text{Ph} \\ \text{H} - \begin{array}{c} \text{CH}_2 - \text{Ph} \\ \text{CH}_2 - \text{Ph} \\ \text{H} - \begin{array}{c} \text{CH}_2 - \text{Ph} \\ \text{H} - \begin{array}{c} \text{CH}_2 - \text{Ph} \\ \text{CH}_2 - \text{Ph} \\ \text{H} - \begin{array}{c} \text{CH}_2 - \text{Ph} \\ \text{CH}_2 - \text{Ph$$

RN 638209-03-7 CAPLUS CN Benzeneac thanesul fonamide, N-[1-cyano-1-[(4-nitrophenoxy)methyl]propyl]-(CA INDEX NAME)

L4 ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 638209-08-2 CAPLUS
CN Benzenese hanes ul fonasi de, N-[1-cyano-2-[3-fluoro-4-(1-oxopropyl) phenoxy]1-methyl telhyl]- (CA INDEX NAME)

RN 638209-09-3 CAPLUS
CN Benzenemethanesulfonamide, N-[1-cyano-1-[[3-fluoro-4-(1-oxopropyl)phenoxy]methyl]propyl]- (CA INDEX NAME)

$$P_{h-CH_2} = \begin{cases} P_{h-CH_2-O} & P_{h$$

RN 638209-10-6 CAPLUS
CN Benzencmethanesulfonamide, N-[1-cyano-1-[[4-(1-oxopropyl)phenoxy]methyl]propyl]- (CA INDEX NAME)

RN 638209-11-7 CAPLUS
CN Benzenomethanesulfonamide, N-[1-cyano-1-methyl-2-[4-(1-oxopropyl)phenoxy]ethyl]- (CA INDEX NAME)

ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

638209-12-8 CAPLUS
Benzenemethanesulfonamide, N-[1-cyano-1-[[4-(1H-1,2,4-triazol-1-ylme1hyl)phenoxy]methyl]propyl]- (CA INDEX NAME)

638209-13-9 CAPLUS Benzenemethanesulfonamide, N-[1-cyano-1-[[4-(4-pyrimidinyl)phenoxy]methyl]propyl]- (CA INDEX NAME)

638209-14-0 CAPLUS
Benzenemethanesulfonamide, N-[1-[(4-acetylphenoxy)methyl]-1-cyanopropyl]-(CA INDEX NAME)

638209-16-2 CAPLUS
Benzenemethanesulfonamide, N-[2-(4-acetylphenoxy)-1-cyano-1-methylethyl]-(CA INDEX NAME)

ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

638209-25-3 CAPLUS
Benzenemethanesulfonamide, N-[1-cyano-1-[[4-(1-methylethyl)phenoxy]methyl]propyl}- (CA INDEX NAME)

247199-97-9P
RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent)
(prereactant: preparation of u-sulfonylamino-acetonitrile derivs. and their use in preventing or controlling plants infestation by phytopathogenic microorganisms)
247199-97-9 CAPLUS
Propanenitrile, 2-amino-3-(4-chlorophenoxy)-2-mathyl- (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

14 ANSWER 22 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

638209-17-3 CAPLUS
Benzenemethanesulfonamide, N-[1-{{2-chloro-4-(1H-pyrazol-1-yl)phenoxy}methyl}-1-cyanopropyl}- (CA INDEX NAME)

638209-18-4 CAPLUS
Benzenemothanesulfonamide, N-[1-cyano-2-[3-fluoro-4-(1H-pyrazol-1-yl)phenoxy]-1-methylethyl}- (CA INDEX NAME)

638209-19-5 CAPLUS
Benzenemethanesulfonamide, N-[1-cyano-1-[[4-(2-methyl-4-thiazolyl)phenoxy]methyl)propyl]- (CA INDEX NAME)

638209-20-8 CAPLUS
Benzenemethanesulfonamide, N-[1-cyano-1-methyl-2-[4-(2-methyl-4-thiazolyl)phenoxy]ethyl]- (CA INDEX NAME)

APPLICANT

L4 ANSTER 23 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NAMBER:
DOCUMENT NUNBER:
171TLE:
1NVENTOR(S):
PATENT ASSIGNEE(S):
DOCUMENT TYPE:
LANGUAGE:
DOCUMENT TYPE:
DOCUMENT TYPE:
LANGUAGE:
DOCUMENT TYPE:
LANGUAGE:
DOCUMENT TYPE:
D

LANGUAGE: FAMILY ACC, NUM, COUNT:

PA:	TENT	NO.			KIN	D	DATE			APPL	.ICAT	ION	NO.		D	ATE	
	2004						2003			WO 2	003-	EP64	90		2	0030	618
20	2004						2004										
	₩:						AU,										
							DK,										
		HR.	HU,	ID,	IL,	IN.	1S,	JP,	KE.	KG,	KP.	KR.	KZ,	LC,	LK,	LT,	LU,
		LV,	MA,	ND,	MK.	MN,	MX.	NI,	NO,	NZ.	OM,	PH,	Pl.,	PT,	RO,	RU,	SC,
					TJ,	TM,	TN,	TR,	Π,	U٨,	US,	UZ.	VC,	VN.	YU.	ZA,	ZW
	RW:		۸Z,				MD,										
					F١,	FR,	GB,	GR,	HU.	IE,	IT,	LU,	MC,	NL,	PΤ,	RO,	SE,
		SI,	SK,	TR													
CA	2489842 2003279395				V1		2003	1231		CA 2	:003-		- 2	0030	618		
ΑIJ	2003	2793	95		٧ı		2004	0106		AU 2	003~	2793	95		2	0030	618
ΑU	2003	2793	95		82		2007	0510									
EP	1517	885			A2		2005	U 330									
	R:	ΑT,	BE,	CH,	DE,	UK,	ES,	ŀK,	GB,	GK,	ш,	LI,	LU,	NL,	SE,	MU,	PI,
		IE,	S1,	LI.	LV,	rı,	RO,	MK,	CY,	AL,	18,	Вь,	,۷۷,	EE,	HU,	26	010
RK	2003	0124	35		•		2005	0419		DK 4	1003-	1243	3			0030	010
CN	1008	580			•		2005	1000		UN	1004	C147	00		-	0030	210
JP	2005	5299	68		!		2003	0727		JP 4	1004	5141 5376	20			0030	619
NZ	53/1	CNOO	000		•		2005 2005 2005 2007 2006	0121		NZ 4	1003-	CNJ0	60 60		-	0030	216
IN	2004	DAID	071		2		2005	0211 0516		MY 5	004-	DAID	Q71			0041	217
	2004				- 2		2005	0210		74	004-	1022	· ·		,	0041	220
	2004				Αì		2006	0615			005-					0051	
	ZOOG APP			,	71		2000	0013		CH S	002~	1047			A 2	0020	
	. 44.6										1002					0020	

MARPAT 140:59412

ABSTRACT:
The title compds. [1: Ar = (un)substituted (hetero)sryl: R1 = H, alkyl, haloalkyl, allyl, alkoxymouthyl: R2-R6 = H, halo, alkyl, alkoxy, etc.: or R2 and R3 togother = alkylene: R8 = (un)substituted phenylearbonyl, phenoxycarbonyl, etc. and R7 = Hi: or R7 and R8 togother = (un)substituted alkylene whereby one or two carbon stoms may be replaced by oxygen: R9 = halo, NOZ, CN, alkyl, etc.; we = 0.5, SOZ, MI, N(alkyl): a = 1-4; b = 0-4; n = 0-3] which have advantageous pesticidal properties, and are especially suitable for controlling parasites on

L4 ANSWER 23 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) warm-blooded animals, were prepd. E.g., a 3-step synthesis of NF-[1--yano-]-methyl-2-[2-benzyl-4-chlorophenoxylethyl]-4-trifluoromethoxybenzamide (starting from 2-benzyl-4-chloropheno) and chlorometome), was given. The compets, I were itselded in various biol. tests (no data). For example, in vivo test on T. colubriformis and H. Contortus on Mongolian gerbils using peroral application showed a wast redn. in nematode infestation (no specific data was given).

Ill S34476-83-8P 639476-84-9P 639476-85-0P c34476-86-1P RL AGR (Agricultural uso): BSU (Biological study, unclassified): PAC (Pharmacological activity): SPN (Synthetic preparation): THU (Therapeutic use): BIU. (Biological study): PREP (Preparation): USES (Uses) (preparation of N-{1-cyano-1-wethyl-2-phenoxyothyl) benzamides for controlling parasites)

RN 639476-83-8 CAPLUS
CN Benzamide, N-[2-(4-chloro-2-(phenylmothyl)phenoxy]-1-cyano-1-wethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

639476-84-9 CAPLUS
Benzamide, N-[1-cyano-1-methyl-2-[(5,6,7,8-tetrahydro-1-naphthalenyl)oxy]ethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

639476-85-0 CAPLUS
Benzamide, N-[-cvano-2-[(2,3-dihydro-2,2-dimethyl-7-benzofuranyl)oxy]-1methylethyl]-4-(trifluoromethoxy)- (CA NOEX NAME)

L4 ANSWER 24 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2003:991474 CAPLUS
DOCUMENT NUMBER: 140:27566
TITLE: Preparation of amidoacetonitrile compounds as

Preparation of andoacetonitrile compounds as pucrey, Pierre: Goebel, Thomas: Bouvier, Jacques Nowartis A.-G., Switz.; Novartis Pharma G.M.B.H. PCT Int. Appl. 41 pp. CODEN: PIXBO2 Fatent : English INVENTOR (S):
PATENT ASSIGNEE (S):
SOURCE:

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PA*	PATENT NO.					D	DATE			APPL	.1CAT		D	ATE			
10	2003	1041	87		Al	-	2003	1218		WO: 2	2003-	EP59	28		2	0030	605
	9	AE,	AG,	AL.			AU.	AZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA.	CH,	CN,
		CO,	CR,	CU,		DE,	DK,	DM,	υz,	EC,	EE,	ES,	FI,	GB,	GD,		GH,
		HR,	HU,	ID,	IL,			JP,	KE,	KG,	KP.	KR,	KZ,	LC,	LK.	LT,	LU,
		LV,	MA,	MD.	MK.	MN,	MX,	NI.	NO,	NZ,	ON,	PH,	PL,	PΤ,	RO,	RU,	SC,
		SE,	SG,	SK,	IJ,	TM,	TN.	TR,	TT,	UA,	US,	UZ,	VC,	VN.	YU,	Z٨,	ZW
	RW:	AM,	AZ,	BY,	KG,	KZ,	MD.	RU.	TJ.	TN,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,
		DK.	EE.	ES,	Fl,	FR.	GB,	GR,	HU,	IE,	IT,	LU,	MC.	NL,	PT,	RO,	SE,
		SI,	SK,	TR													
CA	2480	552			٨l		2003	1218		CA 2	2003-	2480	552		2	0030	605
AU	2003	2503	42		Al			1222		AU 2	2003-	2503	42		2	0030	605
AU	AU 2003250342 AU 2003250342							0614									
BR	R 2003011607				- A		2005	0222			2003-	1160	7		2	0030	605
EP	1513	799			A1		2005	0316			2003-						
	R:	AT,	BE.	CH,	DE,	DK,	ES,	FR,	GB.	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PΤ,
								MK,	CY,	۸L,	TR,	BG,	CZ,	EE,	HV,	SK	
CN	1653 2005 5364 2005	039			٨		2005	0180		CN 2	2003- 2004- 2003-	8108	67		2	0030	605
JP	2005	5284	58		Т		2005	0922		JP. 2	2004-	5112	57		2	0030	605
NZ	5364	42			٨		2007	1026		NZ 2	2003-	•5364	42		2	0030	605
US	2005	2031	78		٨l		2005	0915		US' 2	2004-	·5143	00		2	0041	112
บร	7304	018			B2		2007	1204									
1N	2004	CN02	735		A			0210			2004-					0041	
MX	2004	PA12	224		٨		2005	0225			2004-					0041	
PRIORIT	Y APP	LN.	INFO	ι, :							2002-					0020	
										WO 2	2003-	EP59	28		₩ 2	0030	605
OTHER S	THER SOURCE(S):					PAT	140:	2766	5	•							
GRAPHIC	IMAG	E:								- :							

ANSWER 23 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

639476-86-1 CAPLUS Benzamide, N-[2-(1,3-benzodioxol-5-yloxy)-1-cyano-1-methylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

$$\begin{array}{c} \text{F3C-0} \\ \text{ } \\ \text{ }$$

639476-88-3P
RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent)
(preparation of N-(1-cyano-1-methyl-2-phenoxyethyl) benzamides for controlling parasites)
639476-88-3 CAPLUS
Propanentirile. 2-mmino-3-[4-chloro-2-(phenylmethyl)phenoxy]-2-methyl(CA INDEX NAME)

L4 ANSWER 24 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

ABSTRACT:
The title compds. [1: R = alkyl, haloalkyl, alkoxyalkyl, haloalkoxyhaloalkyl;
X1, X2 = halo: m = 1-4: n = 1-5] which have advantageous pesticidal properties
and are especially suitable for controlling parasites on warm-blooded animals, were
prepared and formulated. E.g., a 3-step synthesis of II (starting from
5-chloro-2-(2, 4-dichlorophenoxy)phenol and chloroacetone), was given. The
compds. I were tested in vivo on Trichostrongylus colubriforms and Haemonchus
contortus on Mongolian gerbils. In this test, a wast reduction in nematode
infestation in sachieved with compds. I (in particular, one of the compds. I
effects complete elimination of the nematode infestation at 16 mg/kg).

11 6.33305-14-39 6.33305-16-5P 6.33305-17-6P
6.33305-18-7P 6.33305-23-4P 6.33305-20-1P
6.33305-22-3P 6.33305-23-4P 6.33305-24-5P
6.33305-25-4P 6.33305-26-7P 6.33305-27-8P
6.33305-28-9P
RL: AGR (Agricultural use): BSU (Biological study, unclassified): PAC (Pharmacological activity): SPN (Synthetic preparation): THU (Therapeutic use): BIOL (Biological study): PREP (Preparation): USES (Uses)
(preparation of anidomectonitrile compos. as pesticides)
RN 6.33305-14-3 CAPLUS
BBNLASHIG, N-[1-cyano-2-[2-(2,4-dichlorophenoxy)-4-fluorophenoxy]-1-methylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

633305-16-5 CAPLUS
Benzamide, N-[2-[4-chloro-2-(2-fluorophenoxy)phenoxy]-1-cyano-1-methylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

$$\begin{array}{c} \text{Ne} \\ \text{Old} \\ \text{Old}$$

633305-17-6 CAPLUS Benzamide, N-[2-[4-chloro-2-(2,4-dichlorophenoxy)phenoxy]-1-cynno-1-methylathyl-4-(trifluoromethoxy)- (CA INDEX NAME)

L4 ANSWER 24 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

633305-18-7 CAPLUS
Benzamide, N-[1-cyano-2-[2-(2, 4-dichlorophenoxy)-5-fluorophenoxy]-1-methylethyll-4-(trifluoromethoxy)- (CA INDEX NAME)

633305-19-B CAPLUS

Benzamide, N-[2-[5-chloro-2-(2, 4,6-trifluorophenoxy] phenoxy]-1-cyano-1methylethyl-4-(trifluoromethoxy)- (CA INDEX NAME)

633305-20-1 CAPLUS Benzamide, N-[2-[5-chloro-2-(2.4-dichlorophenoxy)phenoxy]-1-cyano-1-methylethyl-4-(trifluoromethoxy)- (CA INDEX NAME)

$$\begin{array}{c} \text{C1} & \text{Ne} & \text{0} \\ \text{C1} & \text{CH}_2 - \bigcup_{N} \text{NH} - \bigcup_{N} \text{O-CF3} \\ \text{C1} & \text{C1} \end{array}$$

ANSWER 24 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

633305-26-7 CAPLUS Benzamide, N-[-cyano-2-[2-(2,4-dichloraphenoxy)-4,5-difluorophenoxy]-1-methylethyl]-4-(rifluoromethoxy)- (CA INDEX NAME)

$$\begin{picture}(20,0) \put(0,0){\line(1,0){100}} \put(0,0){\line(1,0){100$$

633305-27-8 CAPLUS
Benzamide, N-{|-cyano-2-{2-(3,5-dichlorophenoxy)-4,5-difluorophenoxy}-1methylethyl-4-{trifluoromethoxy}- (CA | NDEX NAME)

633305-28-9 CAPLUS
Benzamide, N-[1-eyano-2-[4,5-dichloro-2-(2,4-dichlorophenoxy)phenoxy]-1methylathyl-4-(trifluoromethoxy)- (CA INDEX NAME)

ANSWER 24 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 633305-22-3 CAPLUS Benzamide, N-[2-[5-chloro-2-(3,4-dichlorophenoxy)phenoxy]-l-cyano-1-aethylethyll-4-(trifluoromethoxy)- (CA INDEX NAME)

$$\overset{\text{C1}}{\overbrace{\hspace{1cm}}} \overset{\text{Ne}}{\underset{\text{C1}}{}} \overset{\text{Ne}}{\underset{\text{C1}}{}} \overset{\text{Ne}}{\underset{\text{C1}}{}} \overset{\text{O-CF3}}{\underset{\text{C1}}{}}$$

633305-23-4 CAPLUS
Benzamide, N-[2-[5-chloro-2-(3,5-dichlorophenoxy)phenoxy]-1-cyano-1-methylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

633305-24-5 CAPLUS Benzamide, N-[2-[2-(5-bromo-2,4-difluorophenoxy)-5-chlorophenoxy]-1-cyano-1-methylethyl]-4-(rifluoromethoxy)- (CA INDEX NAME)

633305-25-6 CAPLUS
Benzamida, N-[1-cyano-2-[4,5-dif]uoro-2-(2,3,5-trif]uorophenoxy)phenoxy]-1methylethyl-4-(trif]uoromethoxy)- (CA INDEX NAME)

L4 ANSWER 24 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
11 633305-30-3P, 2-Asino-3-(5-chloro-2-(2, 4-dichlorophenoxy)phenoxy)2-methylpropionitrile
RL: RCT (Reactant): SPN (Synthetic preparation); PREP (Preparation): RACT
(Reactant or reagent)
(preparation of amidoacetonitrile compds. as pesticides)
RN 633305-30-3 CAPLUS
Propanenitrile, 2-maino-3-[5-chloro-2-(2, 4-dichlorophenoxy)phenoxy]-2methyl- (CA INDEX NAME)

REFERENCE COUNT: THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD, ALL CITATIONS AVAILABLE IN THE RE FORMAT L4 ANSWER 25 OF 82
ACCESSION NUMBER:
DOCUMENT NUMBER:
DOCUMENT NUMBER:
111LE:
INVENTOR(S):
DATEST ASSIGNEE(S):
SOURCE:
DOCUMENT TYPE:
DOCUMENT TYPE:
DOCUMENT TYPE:
DOCUMENT TYPE:

REPLIES COPPRIGHT 2008 ACS on STN
2003-931318 CAPLUS
400-440:4857
Frephration of substituted benzamides for controlling parasites:
Durans, Coerinne
Novertis Ag, Switz.: Novertis Pharma Gmbh
CODEN: PIXX02
Patent : DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: APPLICATION NO. PATENT NO. KIND DATE DATE IE, SI, LT
CN 1656061
JP 2005526136
ZA 2004008738
MX 2004PA 11532
IN 2004CN02619
US 2005203148
US 7148255
PRIORITY APPLN, INFO.: A 20020522 W 20030521 CH 2002-856 WO 2003-EP5331 OTHER SOURCE(S): GRAPHIC IMAGE: MARPAT 140:4857

ANSWER 25 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

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ANSWER 25 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

ABSTRACT: The title compds. [1: Al, A2 = (un) substituted aryl, heteroaryl: Rl = H, alkyl, haloalkyl, allyl, alkorymethyl: R2-R6 = H, halo, alkyl, etc. ior R2 and R3 together = alkylene: R7 = H, alkyl: either R8 = alkylamino, dialkylamino, cycloalkyl, etc. and R81 = H, R9: or R8 and R81 together (un) substituted alkylene (whereby one or two carbon atoms may be replaced by 0, N or S): R9 = halo, NO2. CN, alkyl. etc.: W = 0, S. CO2, NR7: X = 0, NR7: a = 1-4: b = 0-4: c = 0-11, which have advantageous pesticidal properties, and are especially suitable for controlling parasites on warm-blooded animals (no biol. data given), were prepared and formulated. E.g., a multi-step synthesis of 11, starting from chloroacetone and 2-bromo-4,5-difluorophenol, was given.

627873-93-2P 627873-94-3P
RL: AGR (Agricultural use): BSU (Biological study, unclassified): PAC
(Pharmacological activity): SPN (Synthetic preparation): THU (Therapeutic
use): BIOL (Biological study): PREP (Preparation): USES (Uses)
(preparation of substituted benzamides for controlling paresites)
627873-93-2 CAPLUS
Benzamide, N-[1-cyanor2-[[4'-(dimethylamino)-4,5-difluoro[1,1'-biphenyl]-2yl]oxy]-1-methylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

627873-94-3 CAPLUS
Benzamide, N-[2-[2-(1,3-benzodioxo]-5-y1)-4,5-difluorophenoxy]-1-cyano-1methylethyl-4-(trifluoromethoxy)- (CA INDEX RAME)

1.4 ANSWER 26 OF 82 CAPLIS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
DOCUMENT NUMBER:
117LE:
1NVENTOR(S):
1NVENTOR(S):
1NVENTOR(S):
2003:931161 CAPLUS
1403:4955
Preparation of N-acylaminoacetonitriles for
controlling parasites
Durano, Corinne
Durano, Corinne
Novertis Ag, Switz.: Novertis Pharma Gabh
PCT Int. Appl., 64 pp.
COBON: PIXXD2
Patent

Patent English

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO. WO 2003097036		NO.			KIN	D	DATE			APPL	.1CAT	108	NO.			ATE	
WO	2003	0970	36		Al	-	2003	1127		TO 2	2003~	EP53	34			20030	
	W:		AG,		AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
		CO.	CR.	CU,	CZ,	DE,	DK,	DM,			EE,						
		HR.	HU.	ID.	IL.	IN.	15.	JP.	KE.	KG.	KP,	KR,	KZ,	LC,	LK,	LT,	w,
		LV.	MA.	MD.	MK,	MN.	MX.	N1.	NO.	NZ.	OM.	PH,	PL,	PT,	RO,	RU,	SC,
		SE,		SK.		TM.	TN.	TR.	TT.	UA.	US,	UZ.	VC.	VN.	YU.	ZA.	Z₩
	RW:	AM.		BY.		KZ.	MD.	RU.	TJ.	TN.	AT,	BE.	BG.	CH.	CY.	CZ,	DE.
		DK.		ES.	FI.	FR	GB.	GR.	HÚ.	IE.	ĬŤ,	LU.					
			SK.				,			,							
CA	2483	286	 ,	•••	Al		2003	1127		CA 2	2003-	2483	286		2	20030	521
AU		2425	55		AI						2003-					20030	521
RD	2003	A119	14		Α.	2005				2003-					20030		
	1509				Äl		2005				2003-					20030	
C.	1203	44.	DE	cu	DE.	DK	FC	CD			17,						
	к.	76.	CI,	17	īV	EJ.	RO.	MK.	CV.	A)	ŤŔ.	Rr:	C7	EE.	1111	SK	,
cu	1649	CTO					2005	0003		CN	2002-	enan	65			20030	
un	1049	519	cc				2003	1202		TD 1	2003	ENER	35			20030	
JP	2005 5361	2704	00		- :		2005	1007		117	2003-	5050	04		:	20030	
N/	5361	84			•		2000	0706		74	2003-	7074	179		:	20030	
	2004				۸.		2006				2004-					20041	
	2005				ŅΙ		2005										
	2004				Ą		2005				2004-					20041	
	2004				٨		2007	0921			2004-					20041	
ידנז	Y APP	LN.	INFO	, ;							2002-					20020	
										WO :	2003-	EP53	34		₩ 3	20030	521

MARPAT 140:4955 OTHER SOURCE(S): GRAPHIC IMAGE:

$$F = \begin{cases} S \\ O \\ C \\ C \\ NI \end{cases}$$
 OCF3

L4 ANSWER 26 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

ABSTRACT: The title compds. [1: A1, A2 = (un) substituted aryl, heteroaryl, etc.; A3 = (un) substituted pyrimidyl, s-triazinyl, 1. 2. 4-triazinyl, etc.; R1 = H, alkyl, halonkyl, allyl, alkoxymethyl; R2-R6 = H, halo, alkyl, etc.; or R2 and R3 are jointly alkylene; W = 0, S, S02, NR7; X = 0, S, NR7; R = H, alkyl; a = 1-4: b = 0-4: c = 0-1] which have advantageous pesticidal properties, and are perticularly suitable for controlling parasites in warm-blooded animals, were prepared and formulated. E.g., a multi-step synthesis of the benzamid ll, starting from chloroacetone and 2-bromo-4.5-difluorophenol, was given.

627881-34-9P 627881-35-0P 627881-36-1P 627881-36-1P 627881-34-9P 627881-35-9P 627881-39-4P RU: AGR (Agricultural use): BSU (Biological study, unclassified): PAC (Pharmacological activity): SPN (Symhetic preparation): THU (Therapeutic use): BIOL (Biological study): PREP (Preparation): USES (Uses) (preparation of Nacylamionoctomirriles for controlling parasites) 627881-34-9 CAPLUS Benzamide, N-[1-cyano-2-[4,5-difluoro-2-(3-thienyl)phenoxy]-1-mathylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

627881-35-0 CAPLUS
Benzamide, N-[1-cyano-2-[4,5-difluoro-2-(2-thieny1)phenoxy]-1-methylethyl]4(trifluoromethoxy)- (CA INDEX NAME)

627881-36-1 CAPLUS
Benzamide, N-[1-cyano-2-[4,5-difluoro-2-(4-methy]-2-thieny])phenoxy]-1methylethyl]-4-(trifluoromethoxy)- (CA INDEX NAME)

ANSWER 26 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

REFERENCE COUNT:

THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD, ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 26 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

627881-37-2 CAPLUS
Benzamide, N-[-c-yano-2-[4,5-difluoro-2-(2-furanyl)phenoxy]-1-methylothyl]4-(trifluoromethoxy)- (CA INDEX KAME)

627881-38-3 CAPLUS Benzamide, N-[1-cyano-2-[4,5-difluoro-2-(3-furany1)phenoxy]-1-methylothyl]-d-(trifluoromethoxy)- (CA INDEX NAME)

$$\begin{array}{c|c} F_3C-0 & CN & CN \\ \hline 0 & CN & CN \\ \hline -C-NH-C-CH_2-0 & F \end{array}$$

62788]-39-4 CAPLUS Benzamide, N-[2-(2-benzo[b] thien-3-y]-4,5-difluorophenoxy)-1-cyano-1-methylethyl-4-(trifluoromethoxy)- (CA INDEX NAME)

PUBLISHER: DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): ABSTRACT:

ABSTRACT:
To improve the pharmacokinetics of a previously reported series of dipeptidyl nitrile cathepsin B inhibitors, the P2-P3 amide group was replaced with an arylamine. Further optimization of this template resulted in highly potent and selective inhibitors with excellent oral availability.

notive inhibitors with excellent oral availability.

374118-06-69 374118-08-69 374118-45-39

374118-13-59 374118-08-89 374118-45-39

374118-13-59 37418-73-79 37418-81-39

374118-46-47 37418-73-69 374118-73-79

374118-74-89 374118-73-69 374118-73-79

374118-78-89 374118-73-69 374118-76-09

374118-82-89 645394-51-09

RL: PAC (Pharmacological activity): PRT (Pharmacokinetics): SPN (Synthetic preparation): THU (Therapeutic use): BIOL (Biological study): PREP (Preparation): USES (Usea)

(preparation): USES (Usea)

(preparation and structure-activity relationship of N-arylaminonitriles as bioavailable peptidomimetic inhibitors of cathepsin 8)

374118-06-6 CAPUS

Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2-(phenylaminolpropyl]aminolethoxylmethyl]- (CA INDEX NAME)

Absolute stereochemistry.

374118-08-8 CAPLUS
Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-1-oxo-3-phenyl-2-(phenylamino)propyl]amino]ethoxy]methyl)- (CA INDEX NAME)

ANSWER 27 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 374118-11-3 CAPLUS Benzoic acid, 3-[[(1S)-2-[(3-carboxyphenyl)acthoxy]-1-cyanosithyl]amino]-1-(3-ethylphenyl)acthyl]-2-oxoethyl]amino]-, 1-methylester (CA INDEX NAME)

Absolute stereochemistry.

374118-13-5 CAPLUS
Benzoic acid, 4-[{(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2-(phenylamino)propyl]amino]ethoxylmethyl)- (CA INDEX NAME)

Absolute stereochemistry.

374118-16-8 CAPLUS
Benzenepropanamide, N-[(IR)-1-cyano-2-(phenylmethoxy)ethyl]-3-methyl-a-(phenylamino)-, (aS)- (CA INDEX NAME)

Absolute stereochemistry.

374118-45-3 CAPLUS
Benzoic acid. 3-[[(2R)-2-cyano-2-[[(2S)-2-[(2.3-dihydro-2-methyl-1,3-dioxo-1H-isoindo]-5-y1)amino]-3-(3-methylphenyl)-1-oxopropyl]amino]ethoxy]methyl
|- (CA INDEX NAME)

Absolute stereochemistry.

ANSWER 27 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

374118-69-1 CAPLUS
Benzoic acid, 5-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2-(phenylamino)propyl]amino]ethoxy]methyl]-2-fluoro- (CA INDEX NAME)

Absolute stereochemistry.

374118-72-6 CAPLUS Benzenepropananide, N-[(IR)-1-cyano-2-[[3-(IH-tetrazol-5-yl)phenyl]aethoxy]ethyl]-3-methyl-4-(phenylamino)-, (α S)-(α C) (α C) NOEX NAME)

Absolute stereochemistry.

374118-73-7 CAPLUS
Bentoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(],3-dihydro-3-oxo-5isobenzofuranyl)amino]-3-(3-methylphenyl)-[-oxopropyl]amino]ethoxy]methyl](CA | NDUEN (AME)

Absolute stereochemistry.

L4 ANSWER 27 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

374118-46-4 CAPLUS
Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(2,3-dihydro-3-oxo-1H-inden-5-yl)amino]-3-(3-methylphenyl)-1-oxopropyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

374118-49-7 CAPLUS
Benzenepropanamide, N-[(1R)-1-cyano-2-[(3-hydroxyphenyl)methoxy]ethyl]-3-methyl-4-(phenylamino)-, (aS)- (CA INDEX NAME)

374118-61-3 CAPLUS
Benzoic acid, 3-[[(2R)-2-cyano-2-[(2S)-2-[(2, 3-dihydro-2-methyl-3-oxo-1Hisoindol-5-yl)amino]-3-(3-methylphenyl)-1-oxopropyl]amino]ethoxy]methyl](CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 27 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

374118-74-8 CAPLUS
Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(1,3-dihydro-1,1-dimethyl-3-oxo-5-isobenzoirunnyl) aminol-3-(3-methylphenyl)-1oxopropyl]aminolethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

374118-75-9 CAPLUS
Benzencpropanamide, N-[(1R)-1-cyano-2-[(3-(1H-tetrazo)-5yl)pheny]lehtoxyjethy]]-a-[(1,3-dihydro-3-oxo-5isobenzofuranyl)amino]-3-methyl-, (aS)- (9C1) (CA INDEX NAME)

Absolute stereochemistry.

Absolute stereochemistry.

374118-82-8 CAPLUS
Benzoic acid, 2-Cabloro-5-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2-(phenylmaino)propyl]maino]ethoxylmethyl]- (CA INDEX NAME)

L4 ANSWER 27 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN Absolute storeochemistry.

Absolute stereochemistry.

645394-49-6DP, derivs.

RL: SPN (Synthetic preparation): PREP (Preparation)
(preparation and structure-activity relationship of N-arylaminonitriles as bicoavailable peptidomimetic inhibitors of cathepsin B)
645394-49-6 CAPLUS
Benzenerpopanaside, N-[(IR)-1-cyano-2-(phenylmethoxy)ethyl]-α-(phenylamino)-, (αS)- (CA INDEX NAME) 17

Absolute stereochemistry.

REFERENCE COUNT:

THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 28 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

ABSTRACT:
The invention relates to compds. 1 [in which R1 = II, alkyl, haloalkyl, cyanoalkyl, alkoxymethyl. or benzyl: R2, R3, R4, R5, R6 = H, halo, unsubstituted or monor or polyhaloganated alk (en/yn)yl, (un) substituted alkoxy, haloalkoxy, cycloalkyl, or phenyl: or R2R3 = C2-6 alkylene: R7 = (un) substituted eycloalkoxy, cycloalkylthio; or [cycloalkyl] (R9)N, in which the substituent are halo, alkyl, hetaryl, or hetaryloxy; R8 = halo, N02, cyano, (halo)alk(en)yl, (haloalkoxy, alkynyl, cycloalkyl, alkenyloxy, haloalkylathyloxy, alkylthio, haloalkylsulfinyl, alkylsulfonyloxy, haloalkylsulfonyloxy, alkylsulfinyl, haloalkylsulfinyl, alkylsulfinyl, haloalkylsulfinyl, alkylsulfinyl, alkenylthio, haloalkylsulfinyl, alkylsulfinyl, haloalkyl, alkylsulfinyl, alkylsulfinyl, alkoalkyl, alkyl, alkyl, or CR010; R10 = alkyl, haloalkyl, or alkoxymethyl; W = 0, S, S02, or N(R11); R11 = H or alkyl; p = 1, 2, 3, or 4; q = 0, 1, 2, 3, or 4; and n = 0-2; in which, if R7 = hetaryloxy, the hetaryl group in R7 is other than pyridyl; including enantiomers]. Compds. I have advantageous pesticidal properties, and are particularly suitable for controlling parasites in alkylsulfinyl, and alkylsulfinyl, alkoymethyl; W = 0, S, S02, or N(R11); R11 = H or alkyl; p = 1, 2, 3, or 4; q = 0, 1, 2, 3, or 4; and n = 0-2; in which, if R7 = hetaryloxy, the hetaryl group in R7 is other than pyridyl; including enantiomers]. Compds. I have advantageous pesticidal properties, and are particularly suitable for controlling parasites in square and alkylsulfinyl and alky

565470-08-8P, N-[2-Cyano-1-[2-(N-cyclopropy]-N-methylamino)-4.5difluorophenoxy[prop-2-y]]-4-(trifluoromethoxy)benzamide
RL: AGR (Agricultural uso): PAC (Pharmacological activity): SPN (Synthetic
preparation): TMU (Theraputtic use): BIOL (Biological study): PREP
(Proparation): USES (Uses)
(parasiticide: preparation of aromatic amidoacetenitrile derivs. as
parasiticides)
565470-08- CAPLUS
Benzamide, N-[1-cyano-2-[2-(cyclopropylmethylamino)-4.5-difluorophenoxy]-1-

ANSWER 28 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN SSION NUMBER: 2003:570944 CAPLUS MENT NUMBER: 139:133350 L4 ANSWER 28 O ACCESSION NUMBER DOCUMENT NUMBER: TITLE:

Asidoacetonitrile derivatives useful as parasiticides, and their preparation, compositions, and use Ducray, Pietre: Gosbel, Thomas: Fruentiel, Joerg: Bouvier, Jacques: Flum, Gabriela Novartis Ag, Switz: Novartis Pharma Gabh PCT Int. Appl., 50 pp. CODEN: PIXXD2
Patent

INVENTOR (S):

PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: LANGUAGE:

FAMILY ACC. NUM. COUNT:

PAT	ENT	NO.			KIN	D	DATE			APF	LICAT	ION	ND.			DATE	
WO	2003	0598	68		Al	-	2003	0724		#O	2003-	EP49	8			20030	120
																N, CH,	CN,
		CO.	CR.	CV.	CZ.	DE.	DK.	DM.	DZ.	EC	EE.	ES.	Fi.	GB.	GI	O. GE.	GH,
																LT.	
		LV.	NA.	ND.	MK.	MN.	MX.	ÑO.	NZ.	OA	i. PH.	PL.	PT.	RO.	RI	J, SC,	SE.
		SG.	SK.	TI.	TM.	TN.	TR.	TT.	UA.	US	. UZ.	VC.	VN.	YU.	2/	I. ZW	
	RW:															i, cz.	
	***															r, se,	
			TR		•									,			
CA	2468	423			Al		2003	0724		CA	2003-	-2468	423			20030	120
AU	2003	2025	80		A1		2003	0730		ΑU	2003-	-2025	80			20030 20030 20030	120
ËΡ	1470	103			AI		2004	1027		EP	2003-	-7015	31			20030	120
	R;	AT.	BE.	CH.	DE.	DK.	ES.	FR.	GB.	GE	ì. IT.	LI.	LU.	NL.	SI	E, MC,	PT.
BR	2003	0070	11		Ä		2004	1103		BR	2003-	7011				20030	120
CN	1602	296			Ä		2005	0330		CN	2003-	8017	30			20030	120
IP	2005	5144	53		Ť		2005	0519		ΙP	2003-	-5599	72			20030	120
NZ.	5339	64			À		2006	0224		ΝZ	2003-	-5339	64			20030	120
ZA	2004	0038	51		Ä		2005	0810		ZA	2004-	-3851				20040	519
US	2005	0597	36		AI		2005	0317		US	2004-	-5014	95			20040	714
US	7153	814			B2		2006	1226									
IN	2004	CNO	580		Ā		2006	0224		1N	2004-	CN15	80			20040	716
МX	2004	PA07	048		Ä		2004	1011		MX	2004-	-PA70	48			20040	721
RITY	APP	LN.	INFO	. :			_ ,			CH	2002-	-97			٨	20020	121
										WO	2003-	-EP49	8		W	20030 20030 20030 20030 20040 20040 20040 20040 20040 20030	120
R SO	URCE	(s):			MAR	PAT	139:	1333	50								
HIC																	

ANSWER 28 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN methylethyll-4-(trifluoromethoxy)- (CA INDEX NAME) (Continued)

565470-16-8P. 2-Amino-2-[{2-(N-cyclopropy]-N-mathylamino)-4,5-difluorophenoxylmethylpropionitrile
RE: RCT (Renetmat): SPN (Synthetic preparation): PREP (Preparation): RACT
(Reactant or reagen)
(preparation of aromatic amidoacetonitrile derivs. as parasiticides)
565470-16-8 CAPLUS
Propanenitrile, 2-maino-3-[2-(cyclopropylmethylamino)-4,5-difluorophenoxy]-2-methyl- (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE I CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 29 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NAMEER:
DOCUMENT NUMBER:
138:287981
TITLE:
INVENTOR(S):
Bekkali, Younes: Hickey, Eugene R.: Liu, Weimin:
Patel, Usha R.: Spero; Denice Mary: Sun, Sanxing:
Thomson, David S.: Word, Young, Erick R. R.
Bockringer Ingelheim Pharmaceuticals, Inc., USA
PCT Int. Appl., 291 pp.
CODEN: PTXND2
PATENT INFORMATION:

English :
FANILY ACC, NUM, COUNT:
FAMILY ACC, DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: PATENT NO. APPLICATION NO. DATE KIND DATE

OTHER SOURCE(S): MARPAT 138:287981

MARPAT 138:28791

MARPAT 138:2871

MARPAT 138:28791

MARPAT 138:28791

MARP

507264-87-1P 507264-98-4P 507264-99-5P 507265-00-1P 507265-40-9P 507265-43-2P

L4 ANSWER 29 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

507265-40-9 CAPLUS
Cyclohexanepropanaside, N-[1-cyano-2-[(shenylmethyl)thio]ethyl]-aquinacolinyl]maino]-4,4-diethyl- (CA INDEX NAME)

507265-43-2 CAPLUS
Cyclohaxanepropananide, N-[1-cyano-2-(phenylmethoxy)ethyl]-u-[[1,2-dihydro-1-[2-(4-methyl-1-piperazinyl)ethyl]-2-oxo-4-quinazolinyl]amino]-(CA INDEX NAME)

ANSWER 29 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 507265-54-5P 507265-61-4P 507265-62-5P 507265-63-67 EN CONTINUED CONT (Uses)
(prepn. of peptide nitriles useful as reversible inhibitors of cysteine proteases)
507264-87-1 CAPLIS
10-0xa-2, 4, 7-triazaundec-2-enoic acid, 8-cyano-5-(2, 2-dimethylpropyl)-3-(4-morpholinyl)-6-oxo-11-phenyl-, athyl ester (9CI) (CA INDEX NAME)

507264-98-4 CAPLUS
10-Thia-2, 4, 7-triazaundec-2-enoic acid, 8-cyano-5-(2, 2-dimethylpropyl)-3-(4-morpholinyl)-6-oxo-11-phenyl-, 2-methylpropyl ester (9CI) (CA INDEX NAME)

507264-99-5 CAPLUS 10-Thia-2, 4,7-triazaundec-2-enoic acid. 8-cyano-5-(2.2-dimethylpropyl)-6-oxo-3,11-diphenyl-. 2-methylpropyl ester (9CI) (CA INDEX NAME)

507265-00-1 CAPLUS
10-0xa-2, 4, 7-triazaundec-2-enoic acid, 8-cyano-5-(2, 2-dimethylbutyl)-6-oxo-3, 11-diphenyl-, 2-methylpropyl ester (9Cl) (CA 1NDEX MAME)

1.4 ANSWER 29 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

PAGE 1-A

PAGE 2-A

507265-54-5 CAPLUS
Cyclohexanepropanamide, @-{[(acetylamino)phenylmethylene]amino]-N-[1-cyano-2-(phenylmethoxy)ethyl]- (CA INDEX NAME)

507265-61-4 CAPLUS Pentanamide, N-[cyano-2-(phenylmethexy)ethyl]-4,4-dimethyl-2-[(2-oxo-2H-1,3-benzoxazin-4-yl)meino]- (CA INDEX RAME)

ANSWER 29 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

507265-62-5 CAPLUS Cyciohexanepropansmide, N-[1-cyano-2-(phenylmethoxy)ethyl]-a-[(2-oxo-2H-1,3-benzoxazin-4-yl)amino]- (CA INDEX NAME)

507265-63-6 CAPLUS
Pentanamide, N-[1-cyano-2-(pheny]methoxy)ethyl]-2-[(1.1-dioxido-1,2-benzisothizol-3-yl]amino]-4.4-dimethyl- (CA INDEX NAME)

507265-64-7 CAPLUS

Cyclohexanepropanamide, N-[1-cyano-2-(phenylmethoxy)ethyl]-a-{(1.1-dioxido-1,2-benzisothiazol-3-yl)amino}- (CA INDEX NAME)

ANSWER 30 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN bute stereochemistry. (Continued)

290816-82-9 CAPLUS
4-Morphol inecarboxsmide, N-[(IS)-1-[[[(IR)-2-[(2-chloropheny1)methoxy]-1-cyanoethyl]mainojcarbonyl]-3-methylbutyl]- (CA INDEX RAME)

290816-83-0 CAPLUS
4-Morphol inecarboxamide, N-[(1S)-1-[{[(1R)-2-[(4-chloropheny1)methoxy]-1-cyanoethy]]maino[carboxy]]-3-methylbuty]]- (CA INDEX NAME) RN CN

Absolute stereochemistry.

230816-89-6 CAPLUS
4-Morpholinecarboxamide, N-[(IS)-1-[[[(IR)-2-[(3-chloropheny1)mothoxy]-1-cyanoethy1]amino]carbony1]-3-methylbuty1]- (CA INDEX NAME)

Absolute stereochemistry.

290816-91-0 CAPLUS
4-Morpholinecarboxamide, N-[(IS)-1-[[[(IR)-1-cyano-2-[(2-mathylphenyl)methoxy]ethyl]amino]carbonyl]-3-machylbutyl]- (CA INDEX NAME)

Absolute stereochemistry

L4 ANSWER 30 O ACCESSION NUMBER DOCUMENT NUMBER: TITLE:

AUTHOR (S):

ANSWER 30 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ESSION NUMBER:

LE:

DEENT NUMBER:

LE:

HOR(S):

HOR(S):

HOR(S):

Design and synthesis of dipeptide nitriles as reversible and potent Cathepsin S inhibitors. [Erratum to document cited in CA198:56234]

Ward, Yancey D.; Thomson, David S.; Frye, Lenh L.; Cywin, Charles L.; Morreick, Tinna: Emmanuel, Nichel J.; Zindell, Renee; McNell, Daniel; Bekkali, Younes; Girardot, Marc; Hrepchak, Matt. Defuri, Molly: Grane, Kathy: White, Della: Pav. Susan: Wang, Yong: Hao, Ming-Hong; Grygon, Christina A.; Labadia, Mark E.; Freeman, Dorothy M.; Davidson, Walter: Hopkins, Jerry L.; Brown, Maryanne L.; Spero, Denica W.

Boehringer Ingelhein Pharmaceuticals, Ridgefield, CT, 06877-0388, USA

Journal of Nedicinal Chemistry (2003), 46(5), 882

COOET, JMCART: ISSN: 0022-2623

American Chemical Society

JOURNEL:

JOUR

CORPORATE SOURCE:

SOURCE:

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal
LANGUAGE: English

ASSTRACT: The name of author Marc Girardot was incorrect in the version published on the

Web 10/31/2002 (ASAP) and in the Dec. 5, 2002 issue (Volume 45, Number 25, pp

5471-5482). The correct electronic version of the manuscript was published on
01/20/2003.

290816-77-2P
RL: BSU (Biological study, unclassified): PRP (Properties): SPN (Synthetic preparation): BIOL (Biological study): PREP (Preparation)
(preparation and biol. activity of dipeptide nitriles as reversible and potent cathepsin S inhibitors (Erratum))
290816-77-2 CAPLUS
4-Morphol inacarboxamida, N-[(IS)-1-[[[(IR)-1-cyano-2-(phenylmethoxy)ethyl]amino]carbonyl]-3-methylbutyl]- (CA INDEX NAME)

Absolute stereochemistry.

290816-78-3P 290816-82-9P 290816-83-0P
290816-89-6P 290816-91-0P 290817-02-6P
479091-15-1P 479091-66-2P 479091-77-0P
479091-73-1P 479091-77-1P 479091-77-2-0P
479091-73-1P (Biological study): wnclassified): SPN (Synthetic preparation):
BIOL (Biological study): PREP (Preparation)
(preparation and biol. activity of dipeptide nitriles as reversible and
290816-78-3 CAPLUS inhibitors (Erratum)
290816-78-3 CAPLUS | PAREP (Bratum) | PA

290816-78-3 CAPLUS 4-Morpholinecarboxamide, N-[(IS)-1-[[[(IR)-1-cyano-2-(phenylmethoxy)ethyl]amino|carbonyl]-3,3-dimethylbutyl]- (CA INDEX NAME)

14 ANSWER 30 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

290817-02-6 CAPLUS
4-Morpholinecarboxamide, N-[(1S)-2-[[(1R)-1-cyano-2-(pheny|nethoxy)ethyl]amino]-1-(cyclohexy|methyl)-2-oxoethyl]- (CA INDEX NAME)

Absolute stereochemistry.

479091-67-3 CAPLUS

ANSWER 30 0F 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
4-Morphol inecarboxamide, N-[(IS)-2-[[(IR)-2-[(2-chlorophenyl)aethoxy]-1cyanoethyl]amino]-1-(cyclohexylaethyl)-2-oxoethyl]- (CA INDEX NAME)

Absolute stereochemistry.

479091-70-8 CAPLUS 4-Pyridinecarboxamide, N-[(1S)-2-[[(1R)-1-cyano-2-(phenylmethoxy)ethyl]amino]-1-(cyclohexylmethyl)-2-oxoethyl]- (CA INDEX NAME)

Absolute stereochemistry.

479091-71-9 CAPLUS
2-Furancarboxanide, N-[(1S)-2-[(1R)-1-cyano-2-(phenylmethoxy)ethyl]amino]-1-(cycloheylmethyl)-2-oxoethyl]- (CA INDEX NAME)

Absolute stereochemistry.

479091-72-0 CAPLNS
2-Thiophenecarboxamide, N-[(1S)-2-[[(1R)-1-cyano-2-(phenylmethoxy)ethyl]amino]-1-(cyclohexylmethyl)-2-oxoethyl]- (CA INDEX NAME)

Absolute stereochemistry

L4 ANSWER 31 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2003:42252 CAPLUS
TITLE: 188:106707
TITLE: Preparation of pesticidally act
INVENTOR(S): Steiger, Arthur; Eberle, Martin 138:10777

Preparation of pesticidally active aminoacetonitriles
Steiger, Arthur: Eberle, Martin: Renold, Peter:
O'Sullivan, Anthony Cornelius: Zambach, Werner
Syngenta Participations AG, Switz.
CODEN: PIXNO2
Patent
English

PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: LANGUAGE:

FAMILY ACC, NUM. COUNT: PATENT INFORMATION:

PATENT NO. APPLICATION NO. DATE KIND DATE W0 2003004474
W: AE, AG, AL,
CO, CR, CU,
GM, HR, HU,
LS, LT, LU,
PL, PT, RO,
UA, UG, US,
RW: GH, CM, KE,
CH, CY, CZ,
PT, SE, SK,
NE, SN, TD,
AU 2002225871 AU 2002-325871 CH 2001-1251 WO 2002-EP7515 20030121 AU 2002325871 PRIORITY APPLN. INFO. :

OTHER SOURCE(S): GRAPHIC IMAGE:

MARPAT 138:106707

$$A^{1}-X-Y \longrightarrow \begin{pmatrix} R^{1} & R^{2} & V-W & R^{4} \\ 0 & CN & R^{5} & R^{5} \end{pmatrix}$$

ARSTRACT:
The tile compds, [1: Al. A2 = (un)substituted ryl or heteroaryl bended via a ring carbon atom: X, Y = n bond, alkylene, alkenylene, phenylene, etc.; R1 = H, alkyl, haloalkyl: R2 = alkyl, haloalkyl: Alkoyvalkyl, etc.; V = alkylene, alkenylene, alkynylene, etc.; W = 0, S, S, S, S, R3: R3 = H, alkyl.

((0)-alkyl, alkyl-0-alkyl: n = 0-1; when n = 1, R4, R5 = H, alkyl, haloalkyl: with the provisoal and their rable, useful in controlling peats, were prepared Thus, anidation of 2-maino-3-hydroxy-2-mathylpropionitrile with 4-trifluoromethylbancyl chloride followed by reaching the resulting amide with 4-chloro-6-trifluoromethylphropiolic controlling peats, were prepared more than 80% against Aphis craccivors Diabrotica baltents. Spodoptera

ANSWER 30 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

479091-73-1 CAPLUS
Pyrazinecarboxaeide, N-[(IS)-2-[[(IR)-1-cyano-2(pheny)sethoxy)ethyl]amino]-1-(cyclohexylaethyl)-2-oxoethyl]- (9C1) (CA
INDEX NAME)

Absolute stereochemistry.

290816-90-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and biol. activity of dipeptide nitriles as reversible and
potent cathepsin S inhibitors (Erratum))
290816-90-9 CAPLUS
Pentananide, N-{(IR)-1-cyano-2-(phenylmethoxy)ethyl]-2-{[[5(dimethylamino)-1-maphthalenyl]sulfonyl]amino]-4-methyl-, (2S)- (CA INDEX
NAME)

L4 ANSWER 31 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN littoralis and Tetranychus urticae.

487015-5)-OP
RL: AGR (Agricultural use): BSU (Biological study, unclassified): SPN
(Synthetic preparation): BIOL (Biological study): PREP (Preparation): USES
(Uses)
(preparation of (hetero)aryloxymethyl substituted aminoacetonitriles as

three stron to the pesticide of the pest

REFERENCE COUNT:

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

LA ANSWER 32 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2002:964345 CAPLUS
138:24952
1TITLE: Preparation of novel amino nitriles useful as reversible inhibitors; of cysteine proteases Hickey, Eugene R.; Bekkali, Younes; Patel, Usha R.; Spero, Denice M.; Thomson, David S.; Young, Erick R. PATENT ASSIGNEE (S): SOURCE: DOCUMENT TYPE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: PATENT NO. KIND APPLICATION NO. DATE DATE OTHER SOURCE(S): MARPAT 138:24952

MARPAT 138:24952

Where R1 = H, (un) substituted (cyclo) alkyl, aryl, benzyl, tetrahydronaphthyl, indenyl, indanyl, alkylsulfonylalkyl, cycloalkylsulfonylalkyl, arylsulfonylalkyl, heterocyclyl, or heteroaryl: R2-R5 = H, (un) substituted (cyclo) alkyl, aryl, enzyl, arylsulfonylalkyl, beterocyclyl, or heteroaryl: R2-R5 = H, (un) substituted (cyclo) alkyl, aryl, etc. or CR2X3 and CR4K5 may form rings: R6 = H, OH, or (cyclo) alkyl; X = O or S (vith provisos) or their pharmaceutically-acceptable derivs, were prepared as reversible inhibitors of cysteine proteases such as cathepsin K, S, F, L and B for treating diseases and pathol, conditions exacerbated by these proteases such as osteoporosis, rheumatoid arthritis, multiple sclerosis, asthma and other autoimsume diseases, Alzheiner's disease, and atherosclerosis. Thus, morpholine-4-carboxylic acid i—[[(benzyloxymethyl)cyanomethyl]carbamoyl]-3-methyl butyl ester was prepared from N-(terr-butoxycarbonyl)-0-benzyl-1-serine, 2-Hydroxyisocaproic acid, and 4-morpholinecarbonyl chloride. 478279-49-1P 478279-54-8P 478280-11-4P 478280-12-5P 478280-13-6P 478280-14-7P 478280-15-8P 478280-16-9P 478280-17-0P

ANSWER 32 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (CA INDEX NAME) (Continued)

478280-12-5 CAPLUS
2(1H)-1soquinol inecarboxylic acid, 3,4-dihydro-, 1-[[[1-cyano-2-[(4-methoxyphenyl)methoxy]ethyl]amino]carbonyl]-3-methylbutyl ester (CA INDEX NAME)

8280-13-6 CAPLUS |III|-|soquino|inecarboxy|ic acid, 3,4-dihydro-, 1-[[[1-cyano-2-heny|methoxy|ethy|]maino|carbony|}-3-methy|buty| ester (CA INDEX NAME)

478280-14-7 CAPLUS
Carbamic acid, (phenylmothyl)-, 2-[[2-[(2-chlorophenyl)mothoxy]-1cyanocthyl]mmino]-1-(cyclopropylmothyl)-2-oxocthyl aster (9C1) (CA INDEX
NAME)

478280-15-8 CAPLUS
Carbanic acid, (phenylanthyl)-, 2-[[1-cyano-2-[(4-mathoxyphonyl)acthoxy]ethyl]amino]-i-(cyclopropylmethyl)-2-oxoethyl ester
(9C1) (CA INDEX NAME)

ANSWER 32 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
478280-18-IP 478280-19-2P 478280-27-2P
478280-28-3P 478280-39-4P 478280-30-7P
478280-31-8P 478280-32-9P 478280-30-0P
478280-31-8P 478280-38-5P 478280-30-6P
478280-31-9P 478280-38-5P 478280-38-6P
478280-37-4P 478280-38-5P 478280-38-6P
478280-43-4P 478280-38-5P 478280-53-6P
478280-43-4P 478280-48-7P 478280-53-9P
478280-43-4P 478280-51-5P 478280-53-6P
478280-56-7P 478280-37-7P 478280-58-9P
478281-03-07 478281-12-8P 478281-15-IP
478281-13-17 478281-12-8P 478281-15-IP
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478279-54-8 CAPLUS
4-Morpholinecarboxylic acid, l-[[[1-cyano-2-(phenylmethoxy)ethyl]amino]carboxyll-3-methylbutyl ester (CA INDEX NAME)

478280-11-4 CAPLUS 2(1H)-Isoquinolinecarboxylic acid, 3,4-dihydro-, 1-[[[2-[(2-cthorpheny)]hethoxy]-i-cyanoethy]]amino]carbony]]-3-methylbuty] ester

L4 ANSWER 32 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

478280-16-9 CAPLUS Carbamic acid. (phenylmethyl)-, 2-[[1-cyano-2-(phenylmethoxy)ethyl]amino]-i-(cyclopropylmethyl)-2-oxoethyl ester (9Cl) (CA INDEX NAME)

478280-17-0 CAPLUS Carbamic acid, 2-maphthalenyl-, 1-[[[2-[(2-chlorophenyl)mathoxy]-1-cyanoethyl]maino[carbonyl]cyclohexyl ester (961) (CA INDEX NAME)

478280-18-1 CAPLUS
Carbasic acid, 2-naphthalenyl-, 1-[[[i-cyano-2-[(4-aethoxyhenyl)aethoxy]ethyl]amino]carbonyl]cyclohexyl exter (9C1) (CA INDEX NAME)

L4 ANSWER 32 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued

RN 478280-19-2 CAPLUS
CN Carbamic acid, 2-naphthalenyl-, I-[[[I-cyāno-2-(phenylmethoxy)ethyl]amino]carbonyl]cyclohexyl ester (9CI) (CA INDEX NAMP)

RN 478280-27-2 CAPLUS
CN Carbamic acid, 2-quinolinyl-, 1-[[[1-cyano-2-(phenylmethoxy)ethyl]amino]ca
rbonyl]-2-methylbutyl ester (9CI) (CA INDEX NAME)

RN 478280-28-3 CAPLUS
CArbamic acid. (phenylmethyl)-, l-[[[1-cyano-2-(phenylmethoxy)ethyl]amino]carbonyl]-3-methylbutyl ester (9Cl) (CA INDEX NAME)

L4 ANSWER 32 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued

$$\bigcap_{C-O} \bigcap_{C-NH-CH-CH_2-O-CH_2-Ph} \bigcap_{h_1} \bigcap_{h_2} \bigcap_{h_3} \bigcap_{h_4} \bigcap$$

RN 478280-33-0 CAPLUS
CN Carbamic scid, (phenylmethyl)-, 1-[[[1-cyano-2-(phenylmethoxy)ethyl]amino|carbonyl]cyclohexyl ester (9Cl) (CA INDEX NAME)

RN 478280-34-1 CAPLUS
CN 2-Naphthalenecarboxylic acid, 1-[[[1-cyano-2-(phenylmethoxy)ethyl]amino]carbonyl]-3-methylbutyl ester (CA INDEX NAME)

RN 478280-35-2 CAPLUS CN Carbonic acid, 1-[[[1-cyano-2-(phenylmethbxy)ethyl]amino]carbonyl]-3-methylbutyl phenylmethyl ester (CA INDEX NAME)

RN 478280-36-3 CAPLUS
CN 2(III)-Isoquinolinecarboxylic acid, 3,4-dihydro-, 2-[[1-cyano-2-(phenylmethoxylethyl]amino]-1-(cyclopropylmethyl)-2-oxoethyl ester (CAINDEX MAME)

RN 478280-37-4 CAPLUS
CN 2-Naphthalenecarboxylic acid, 2-[[1-cyano-2-(phenylmethoxy)ethyl]amino]-1-

L4 ANSWER 32 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 478280-29-4 CAPLUS
CN Carbamic acid, 2-maphthalenyl-, I-[[[1-cyano-2(phenylmethoxy)ethyl]mmino]carbonyl]-3-methylbutyl ester (9C1) (CA INDEX
NAMF)

RN 478280-30-7 CAPLUS
CN 4-Morpholinecarboxylic acid, 2-[[i-cyano-2-(phenylmethoxy)ethyl]amino]-1(cyclopropylmethyl)-2-oxoethyl ester (CA INDEX NAME)

RN 478280-31-8 CAPLUS
CN Carbanic acid, 2-maphthalenyl-, 2-[[1-cyano-2-(phenylmethoxy)ethyl]amino]1-(cyclopropylmethyl)-2-exocethyl ester (SCI) (CA INDEX NAME)

RN 478280-32-9 CAPLUS CN 4-Norpholinearboxylic acid. 1-[[[1-cyano-2-(phenylmethoxy)ethyl]amino]car bonyllyc/lohexyl ester (CA INDEX NAME)

L4 ANSWER 32 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) (cyclopropylmethyl)-2-oxoethyl ester (CA INDEX NAME)

RN 478280-38-5 CAPLUS
CN Carbonic acid, 2-[[1-cyano-2-(phenylmethoxy)ethyl]amino]-1(cyclopropylmethyl)-2-oxoathyl phenylmethyl ester (CA INDEX NAME)

RN 478280-39-6 CAPLUS
CN 2(1H)-Isoquinolinecarboxylic acid, 3.4-dihydro-, I-[[[1-cyano-2-(phenylmethoxy) athyl]amino|carbonyl]cyclohexyl aster (CA INDEX NAME)

RN 478280-40-9 CAPLUS
CN 2-Naphthalanecarboxylic acid, 1-[[[1-cyano-2-(phenylmethoxy)ethyl]amino]carboxyljcyclokxyl aster (CA INDEX NAME)

RN 478280-41-0 CAPLUS CN Carbonic acid, 1-[[[1-cyano-2-(phenylmothoxy)ethyl]mmino]carbonyl]cyclohex yl phenylmethyl ester (CA INDEX NAME)

RN 478280-42-1 CAPLUS

L4 ANSWER 32 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
CN Carbamic acid, (phenylmethyl)-, I-[[[I-cyano-I-methyl-2-(phenylmethoxy)ethyl]mmino]carbonyl]-3-methylbutyl ester (9Cl) (CA INDEX NAME)

RN 478280-45-4 CAPLIS
CN Carbamic acid. (phenylmethyl)-, 2-[{|-cyano-1-mcthyl-2-(phenylmethoxylethyl]mino}-1-(cyclopropylmethyl)-2-oxoethyl ester (9C1)
(CA INDEX MAME)

RN 478280-48-7 CAPLUS
CN Carbamic acid, (phenylmethyl)-, l-[[[l-cyano-l-methyl-2-(phenylmethoxy)ethyl]amino]carbonyl]cyclohexyl ester (9Cl) (CA INDEX NAME)

RN 478280-52-3 CAPLUS
CN Benzo[b]thoipene=2-carboxylic acid, 1-[[[1-cyano-2-(pheny]methoxy]ethyl]amino|carbonyl]-3-methylbutyl ester (CA INDEX NAME)

RN 478280-53-4 CAPLUS

L4 ANSWER 32 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

$$\begin{array}{c} \text{C-}\text{O-}\text{CH-}\text{CH}_2\text{-}\text{CHF}_2 \\ \text{V} & \begin{array}{c} \text{V} & \text{NH-}\text{CH-}\text{CH}_2\text{-}\text{O-}\text{CH}_2\text{-}\text{Ph} \\ \text{V} & \text{N} \end{array}$$

RN 478280-58-9 CAPLUS
CN 2(1H)-Isoquinolinecarboxylic acid, 3,4-dihydro-, 1-[[[1-cyano-2-(phenylmethoxy)ethyl]amino]carbonyl]-3,3,3-trifluoropropyl ester (CA INDEX MAME)

RN 478281-00-4 CAPLUS CN 4-Morpholinecarboxylic acid, 1-[[[1-cyano-2-(phenylmethoxy)ethyl]amino]car bonyl]-4,4-dimethylpennyl ester (CA INDEX NAME)

RN 478281-03-7 CAPLUS
CN 4-Morpholinearboxylic acid, L-[[[1-cyano-2-(pheny]methoxy)athyl]amino]carbonyl]-4-methylpentyl ester (CA INDEX NAME)

RN 478281-06-0 CAPLUS
CN 4-Morpholinearboxylic acid, 1-[[[1-cyanci-2-(phenylmethoxy)ethyl]amino]carbonyl]-3, 3, 4, 4-intramethylpontyl ester (CA INDEX MAME)

L4 ANSWER 32 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
CN 2-Benzofurancarboxylic acid, 5-[2-(4-morpholinyl)ethoxy]-,
1-[[[1-cyano-2-(phenylmethoxy)ethyl]mmino[carbonyl]-3-methylbutyl ester
(CA INDEX MAME)

$$\bigcap_{C-N-CH_2-CH_2-0}^{O-CN} \bigcap_{C-N-CH_2-H-CH_2-0-CH_2-Ph}^{CN} \bigcap_{C-N-CH_2-H-CH_2-0-CH_2-Ph}^{CN} \bigcap_{C-N-CH_2-CH_2-0-CH_2-Ph}^{CN} \bigcap_{C-N-CH_2-CH_2-Ph}^{CN} \bigcap_{C-N-CH_2-Ph}^{CN} \bigcap_{C-$$

RN 478280-54-5 CAPLUS
CN 2-Benzofurancarboxylic medid, l-[[[1-cyano-2-(phenylmethoxy)ethyl]amino]car
bonyl]-3-methylbutyl ester (CA INDEX NAME)

RN 478280-55-6 CAPLUS
CN 2-Benzofurancarboxylic acid, 3-methyl-, 1-[[[1-cyano-2-(phenylpathoxyl-bhyl]amino]carbonyl]-3-methylbutyl ester (CA INDEX NAME)

RN 478280-56-7 CAPLUS
CN 2(1M)-Isoquinolinecarboxylic acid, 3,4-dihydro-, 1-[[[2-(3-carboxyphenyl)methoxy]-1-cyanoethyl]mino]carbonyl]-3-methylbutyl ester
(CA INDEX RAME)

RN 478280-57-8 CAPLUS
C1(H)-Isoquinolinecarboxylic acid, 3,4-dihydro-, 1-[[[1-cyano-2-(phenylmethoxylethy1]amino]carbonyl]-3,3-difluoropropyl ester (CA INDEX NAME)

L4 ANSWER 32 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 478281-09-3 CAPLUS
CN 4-Morpholinecarboxylic acid, I-[[[1-cyano-2-(phenylmethoxy)ethyl]amino]carbonyl]-3,3-dimethylpentyl ester (CA INDEX NAME)

RN 478281-12-8 CAPLUS CN 4-Morpholinearboxylic acid, I-[[[1-cyano-2-(phenylmethoxy)ethyl]amino]car bonyl]-3, 4-trimethylpentyl oster (CA INDEX RAME)

RN 478281-15-1 CAPLUS CN 4-Morpholinearboxylic acid, 1-[[[1-cyano-2-(phenylmethoxy)ethyl]amino]car bonyl]-3-cyclohexyl-3-mathylbutyl astor (CA INDEX NAME)

RN 478281-18-4 CAPLUS
CN 4-Morpholinearboxylic scid, I-[[[1-cyano-2-(phenylmethoxy)ethyl]amino]carbonyl]-3-cyclohaxylpropyl estor (CA INDEX NAME)

L4 ANSWER 32 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 478281-21-9 CAPLUS
CN 4-Worpholinecarboxylic acid, 1-[[[1-cyano-2-(phenylmethoxy)ethyl]maino]car
bonyl]-3-phenylpropyl ester (CA INDEX NAME)

RN 478281-25-3 CAPLUS CN 4-Morpholinecarboxylic acid, 2-[[1-cyano-2-(phenylmethoxy)ethyl]amino]-1-(cyclohexylaethyl)-2-oxoethyl ester (CA INDEX MAME)

RN 478281-28-6 CAPLUS
CN 4-Morpholinecarboxylic acid, 2-[[1-cyano-2-(phenylmethoxy)ethyl]amino]-2oxo-1-(phenylmethyl)ethyl ester (CA INDEX NAME)

RN 478281-31-1 CAPLUS
CN 4-Worpholinecarboxylic acid, 2-[[1-cyano-2-(phenylmethoxy)ethyl]amino]-1[(1-methylcyclohexyl)methyl]-2-oxoethyl ester (CA INDEX MAME)

1.4 ANSWER 32 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 478281-46-8 CAPLUS
CN 4-Worpholinecarboxylic acid, 2-[[1-cyano-2-(phenylmethoxy)ethyl]amino]-1(2-naphhallanylmethyl)-2-oxocthyl ester (CA INDEX NAME)

RN 478281-49-1 CAPLUS
CN 4-Morpholinecarboxylic scid. 2-[[1-cyano-2-(phenylmethoxy)ethyl]amino]-1[[decamplaydro-2-maphthalenyl]aethyl]-2-oxoethyl sster (CA INDEX RAME)

RN 478281-52-6 CAPLIS
CN 4-Morpholinecarboxylic acid, 2-[[1-cyano-2-(phenylmethoxy)ethyl]amino]-1[(4, 4-dimethylcyclohexyl)methyl]-2-oxoathyl ester (CA INDEX NAME)

RN 478281-55-9 CAPLUS
CN 4-Morpholinecarboxylic acid, 2-[[1-cyano-2-(phenylmethoxy)ethyl]amino]-1[(4.8-dimethylmpiro[2.5]oci-6-yl]methyl]-2-oxocihyl ester (CA INDEX NAME)

RN 478281-58-2 CAPLUS
CN 4-Morpholinecarboxylic acid, 2-[[1-cyano-2-(phenylmethoxy)ethyl]amino]-1-

L4 ANSWER 32 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 478281-34-4 CAPLUS CN 4-Morpholinecarboxylic scid, I-[[[1-cyano-2-(phenylmethoxy)ethyl]amino]car bonyl]-3,3-dimethylbutyl exter (CA INDEX NAME)

RN 478281-37-7 CAPLUS
CN 4-Morpholinecarboxylic acid, 1-[[[1-cyano-2-(phenylmethoxy)eihyl]amino]carbonyl]-3-methyl-3-butenyl ester (9CI) (CA INDEX NAME)

RN 478281-40-2 CAPLUS CN 4-Norphelinecarboxylic acid, 2-[[1-cyano-2-(phenylmethoxy)ethyl]amino]-1-[(3,4-dichlorophenyl)methyl]-2-oxoethyl ester (CA INDEX NAME)

RN 478281-43-5 CAPLUS
CN 4-Worpholinecarboxylic mcid, 2-[[1-cyano-2-(phenylmethoxy)ethyl]amino]-1-cyclohexyl-2-oxecthyl ester (CA INDEX NAME)

L4 ANSWER 32 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) [(2,2-dimethylcyclohexyl)methyl]-2-oxoethyl ester (CA INDEX NAME)

RN 478281-61-7 CAPLUS
CN 4-Morphol inecarboxylic acid, 2-[[i-cyano-2-(phenylmethoxy)ethyl]amino]-2oxo-1-[(3,3,5-ietramethylcyclohexyl)methyllethyl ester (CA INDEX NAME)

RN 478281-64-0 CAPLUS CN 4-Morpholinecarboxylic acid, 2-[[1-cyano-2-(phenylmethoxy)ethyl]amino]-1-[(2,3-dihydro-Hi-inden-1-yl]methyl]-2-oxoethyl ester (CA INDEX NAME)

RN 478281-67-3 CAPLUS
CX 4-Morpholinocarboxylic acid, 2-[[]-cyano-2-(phenylmethoxy)ethyl]msino]-1[(2, 3-dihydro-HH-inden-2-yl)methyl]-2-oxochyl ester (CA INDEX NAME)

RN 478281-70-8 CAPLUS CN 4-Morpholinearboxylic acid, 1-[[[1-cyano-2-(phanylmethoxy)athyl]amino]car bonyl]-3-(mathylsulfonyl)propyl estar (CA INDEX NAME) L4 ANSWER 32 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

478281-73-1 CAPLUS
4-Morpholinecarboxylic acid, 2-[[1-cyano-2-(phenylmathoxy)ethyl]amino]-1[1-naphthalenylmachyl)-2-oxocthyl ester (CA INDEX NAME)

478281-76-4 CAPLUS
4-Morpholinecarboxylic acid, 1-([1,1'-biphenyl]-4-ylmethyl)-2-[[1-cyano-2-(phenylmethoxy)ethyl]maino]-2-oxoethyl ester (CA INDEX NAME)

478281-79-7 CAPLUS
4-Morpholinecarboxylic acid, 2-[[1-cyano-2-(phenylmethoxy)ethy1]amino]-1[(4-methoxyphenyl)methy1]-2-oxoethy1 ester (CA INDEX NAME)

ANSWER 32 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

478281-91-3 CAPLUS
2(1H)-Isoquinolinecarboxylic acid, 3.4-dihydro-, 2-[(1-cyano-2-(phenylacthoxy)ethyl]amino]-1-mathyl-2-oxoethyl ester (CA INDEX NAME)

$$\bigcap_{N=0}^{N} \bigcap_{N=0}^{N} \bigcap_{N=0}^{CN} \bigcap_{N$$

478281-92-4 CAPLUS
2(III)-1soquinolinecarboxylic acid. 3,4-dihydro-, 1-[[[1-cyano-2-(phenylmethoxy)ethyl]amino]carbonyl]propyl ester (CA INDEX NAME)

478281-93-5 CAPLUS
2(III)-Isoquinolinecarboxylic acid, 3,4-dihydro-, I-[[[1-cyano-2-(phenylmethoxy)ethyl]amino]carbonyl]butyl mater (CA INDEX NAME)

478281-94-6 CAPLUS
Carbonic acid, (15)-1-[[[([R]-1-cyano-2-(phanylacthoxy)ethyi]amino]carbony
1]-3-methylbutyl 1,1-dimethylathyl aster (CA INDEX NAME)

ANSFER 32 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
478281-82-2 CAPLUS
4-Morpholinecarboxylic acid, 1-[[[1-cyano-2-(phenylmethoxy)ethyl]amino]car
bonyl]-3-(methylthio)propyl ester (CA INDEX NAME)

478281-85-5 CAPLUS
4-Morpholinecarboxylic acid, 1-[[[1-cyano-2-(phenylmethoxy)ethyl]amino]carbonyl]-2-methylbuyl ester (CA INDEX NAME)

478281-88-8 CAPLUS
2(III) -| Isoquinolinecarboxylic acid, 3.4-dihydro-, 2-[1-cyano-2-(phenylmcthoxy)cthyl]mmino]-1-(2,2-dimethylcyclopropyl)-2-oxoethyl ester (CA INDEX NAME)

478281-89-9 CAPLUS
2(IH)-[soquinolinecarboxylic acid, 3,4-dihydro-, 2-{[1-cyano-2-(pheny|methoxy|ethyl]amino]-1-cyclopropyl-2-oxoethyl ester (CA INDEX NAME)

$$\bigcap_{N=1}^{N}\bigcap_{C=0}^{N}\bigcap_{CH-\triangle}^{CN}\bigcap_{CH-CH_2-0-CH_2-Ph}^{CN}$$

478281-90-2 CAPLUS
2(1H)-isoquinolinecarboxylic acid. 3, 4-dihydro-, 2-[[1-cyano-2-(phenylmethoxy)ethyl]amino]-2-oxoethyl ester (CA INDEX NAME)

L4 ANSWER 32 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

478281-95-7 CAPLUS
Pentanamide, N-[(|R)-1-cyano-2-(phenylmethoxy)ethyl]-2-[((1,1-dimethylethyl)amino]oxy]-4-methyl-, (2S)- (CA INDEX NAME)

$$Ph \longrightarrow R \qquad S \qquad Bu-i$$

L4 ANSTER 33 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2002:888695 CAPLUS :
DOCUMENT NUMBER: 37:384695 CAPLUS :
Preparation of benzamidoacetonitriles for controlling

Preparation of Denzamanous-constructions of parasites Ducray, Pierre: Bouvier, Jacques; Keller, Matthias: Bergamin, Corina
Novartis AG, Switz: Novartis-Erfindungen
Verwaltungsgesellschaff m.b.H.; Novartis Pharma GmbH
PCT Int. Appl. 81 ppi
CODEN: PIXXD2 INVENTOR(S):

PATENT ASSIGNEE(S):

DOCUMENT TYPE: Patent English

FAMILY ACC. NUM. COUNT:

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BR 20 CN 15 JP 20 NZ 55 RU 25 AT 34 ZA 20 IN 20 US 20 RITY	(PP	N.	INFU							WO.	2001-	FP52	94		ŵ	20020	2514
R SOU	RCF	(s) :			MAR	PAT	137:	3846	55			02					
	IAG																

ANSWER 33 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

4760]3-56-6 CAPLUS
Benzamide, N-[1-cyano-1-mcthy]-2-[2-(trifluoromethyl)phenoxy]ethyl]-4-(phenoxymethyl)- (CA INDEX NAME)

476013-57-7 CAPLUS
Benzamide, 4-benzoyI-N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

476013-58-8 CAPLUS
2-Ani hracenecarboxamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phnoxy]ethyl]-9,10-dihydro-9,10-dioxo- (CA INDEX NAME)

476013-59-9 CAPLUS 9H-Thioxanthene-3-carboxamide, N-[1-cyano-1-mathy1-2-[2-(trifluoromethyl)phonoxy]ethyl]-9-oxo-, 10,10-dioxida (CA INDEX NAME)

$$\underbrace{ \begin{array}{c} 0 \\ 5 \\ \end{array} }^{0} \underbrace{ \begin{array}{c} Me \\ E-NI+ \\ E-CH_2-0 \end{array} }^{F3C} \underbrace{ \begin{array}{c} F3C \\ \end{array} }_{N}$$

ANSWER 33 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

$$\begin{array}{c} R^3 \\ Ar1 \\ Q1 \end{array} \qquad \begin{array}{c} R^3 \\ Ar2 \\ Q1 \end{array} \qquad \begin{array}{c} R^4 \\ CN \\ R^6 \end{array} \qquad \begin{array}{c} R^7 \\ R^8 \\ R^9 \end{array} \qquad \begin{array}{c} R^7 \\ R^7 \\ R^9 \end{array}$$

ABSTRACT:
The title compds. {1: Ar1, Ar2 = (un) substituted Ph, OPh, phenylacetylenyl, etc.: Q1 = CH2, OCH2, S, SO, SO2, CO: Q2 = a bond, CO: R3 = H, alkyl, haloalkyl, etc.: R4-R8 = H, halo, alkyl, etc.: or R4 and R5 together = alkylene: W = Q, S, OS2, NN, Nalkyl: a = I-4: be 3 = 0-4: n = 0-1] which have advantageous pesticidal properties, and are especially suitable for controlling perasites in warm-blooded animals (also humans), were prepared and formulated. Thus, amidation of benzophenone-4-carboxylic acid with 2-amino-2-methyl-3-(2-trifluoromethylphenoxylyropionitrile afforded | 1 which showed a 100% reduction in Trichostrongylus infestation at 32 mg/kg.

476013-55-5 CAPLUS Benzamide, 4-benzoyl-N-[2-[(2-chlorophenyl)thio]-1-cyano-1-methylethyl]-(CA INDEX NAME)

ANSWER 33 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN 476013-60-2 CAPLUS 9H-Fluorene-2-carboxamide, N-[1-cyano-1-methyl-2-[2-(trifluoromethyl)phenoxy]ethyl]-9-oxo- (CA INDEX NAME)

476013-61-3 CAPLUS
Benzamide, N-(1-cyano-1-methyl-2-phenoxyethyl)-4-[4-(trifluoromethyl)benzoyl]- (CA INDEX NAME)

476013-62-4 CAPLUS
Benzamide, N-[1-cyano-1-mathy1-2-[2-(trif]uoromethy1)phenoxy]ethy1]-4(hydroxypheny|methy1)- (CA 1NDEX NAME)

476013-63-5 CAPLUS Bunzamide, N-[1-eyano-1-methy]-2-[2-(trifluoromethy1)phenoxy]ethy1]-4-(1-hydroxy-1-phenylethy1)- (CA INDEX NAME)

476013-64-6 CAPLUS

Renzamide, N-[1-cyano-1-methyl-2-[2-(1rifluoromethyl)phenoxy]ethyl]-4[(methoxyimino)phenylmethyl]- (CA INDEX NAME)

ANSWER 33 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

476013-65-7 CAPLUS
Benzamide, 4-benzoyl-N-[2-(2-chloro-5-methylphenoxy)-1-cyano-1-methylethyl]- (CA INDEX NAME)

$$\bigcap_{Ne}^{C1} O-CH2 - \bigcap_{CN}^{Me} \bigcap_{CNH-C}^{O} \bigcap_{C-Ph}^{C-Ph}$$

476013-66-8 CAPLUS
Benzamide, 4-benzoyl-N-[1-cyano-2-(2,5-dichlorophenoxy)-1-methylethyl](CA INDEX NAME)

476013-67-9 CAPLUS
Benzamide, 4-benzoyl-N-[2-(2-bromo-4,5-difluorophenoxy)-i-cyano-l-methylethyl]- (CA INDEX NAME)

$$\label{eq:controller} F = \bigcap_{\substack{O-CH2- \ C-NH-C}} \bigcap_{\substack{C-Ph}} \bigcap_{\substack{C-Ph}}$$

ANSWER 34 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
BIOL (Biological study): PREP (Preparation)
(prepn. and biol. activity of dispetide nitriles as reversible and
potent cathepsin S inhibitors)
290816-78-3 CAPLUS

290816-78-3 CAPLUS
4-Morphol inscarboxamide, N-[(1S)-1-[[[(1R)-1-cyano-2-(phenylmethoxy)ethyl]amino]carbonyl]-3, 3-dimethylbutyl]- (CA INDEX NAME)

290816-82-9 CAPLUS
4-Morphol inecarboxamide, N-[(15)-1-[[[(1R)-2-[(2-chloropheny1)mcthoxy]-1-cyanocthyl]maino]carbonyl]-3-mathylbutyl]- (CA INDEX MAME)

290816-83-0 CAPLUS
4-Norpholinearbounde, N-[(1S)-1-[[[(1R)-2-[(4-chlorophenyl)methoxy]-1-cyanoethyl]mminojcarbonyl]-3-methylbutyl]- (CA INDEX NAME)

290816-89-6 CAPLUS
4-Morpholinearboxamide, N-[(IS)-1-[[[(IR)-2-[(3-chlorophenyl)methoxy]-1-cynnothyl]maino[carbonyl]-3-methylbulyl]- (CA INDEX NAME)

290816-91-0 CAPLUS
4-Morpholinecarboxamide, N-[(IS)-1-[[[(IR)-1-cyano-2-[(2-

L4 ANSWER 34 OF 82

ACCESSION MAMBER:
DOCUMENT NUMBER:
171TLE:

CUDEN: JICAMR: ISSN: 0022-2623

PUBLISHER: American Chemical Society
JOURNAL ISSN: 0022-2623

LANGUAGE: LANGUAGE: Language Langua

17 290816-77-2P
RL: BSU (Biological study, unclassified): PRP (Properties): SPN (Synthetic preparation): BIOL (Biological study): PREP (Preparation)
(preparation and biol. activity of dipeptide nitriles as reversible and potent cathepsin S inhibitors)
RN 290816-77-2 CAPLUS
4-Morpholinecarboxamide, N-[(IS)-1-[[[(IR)-1-cyano-2-(phenylmethoxy)ethyl]amino]carbonyl]-3-methylbutyl]- (CA INDEX NAME)

Absolute stereochemistry.

290816-78-3P 290816-82-9P 290816-83-0P 290816-89-6P 290816-91-0P 290817-02-6P 479091-65-1P 479091-65-2P 479091-67-3P 479091-71-9P 479091-72-0P 479091-73-9P 179091-71-9P 479091-72-0P 479091-73-9P 479091-71-9P 479091-72-0P 479091-73-9P 479091-73-0P 47909 17

ANSWER 34 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) methylphenyl)methoxylethyl]mmino]carbonyl]-3-methylbutyl]- (CA INDEX NAME)

290817-02-6 CAPLUS

Absolute stereochemistry.

479091-65-1 CAPLUS
4-Morpholinecarboxumide, N-[(IS)-1-[[((IR)-1-cyano-2-[(2-methylphenyl)methoxy]ethyl]amino]carbonyl]-3,3-dimethylbutyl]- (CA INDEX NAME)

Absolute stereochemistry.

479091-66-2 CAPLUS
4-Morphol inecarboxumide, N-{(IS)-2-{{(IR)-1-cyano-2-{(2-mocthyl)-methoxy]ethyl}nmino}-1-(cyclohexylmethyl)-2-oxoethyl}- (CA
INDEX NAME)

L4 ANSWER 34 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

479091-67-3 CAPLUS
4-Morphol inecarboxamide, N-[(IS)-2-[[(IR)-2-[(2-chloropheny])methoxy]-1-cyanoethy]]methoxy]-1-(CA INDEX NAME)

479091-70-8 CAPLUS
4-Pyridinecarboxamide, N=[(IS)-2-[[(IR)-1-cyano-2-(phenylaethoxy)ethyl]amino]-1-(cyclohexylaethyl)-2-oxoethyl)NAME)
(CA INDEX

479091-71-9 CAPLUS
2-Furancarboxamide, N-[(IS)-2-[[(IR)-1-cyano-2-(phenylmethoxy)ethyl]amino]-1-(cyclohexylmethyl)-2-oxoethyl]- (CA INDEX RAME)

Absolute stereochemistry.

ANSWER 34 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

L4 ANSWER 34 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

479091-72-0 CAPLUS
2-Thiophenecarboxamide, N-[(1S)-2-[[(1R)-1-cyano-2-(phenylaethoxy)ethyl]aminoj-i-(cyclohexylaethyl)-2-oxoethyl}- (CA INDEX NAME)

Absolute stereochemistry.

479091-73-1 CAPLUS
Pyrazinecarboxamide, N-[(1S)-2-[[(1R)-1-cyano-2(pheny)sethoxy)ethyl]smino]-1-(cyclohexylsethyl)-2-oxoethyl]- (9C1) (CA
INDEX NAME)

Absolute stereochemistry.

290816-90-9P
RL: SPM (Synthetic preparation): PREP (Preparation)
(preparation and biol. activity of dipeptide nitriles as reversible and
potent cathepsin S inhibitors)
290816-90-9 CAPLUS
Pentananide, N-[(IR)-1-cyano-2-(phenylmethoxy)ethyl]-2-[[[5(dimethylamino)-1-naphthalenyl]sulfonyl]amino]-4-methyl-. (2S)- (CA INDEX
NAME)

Absolute stereochemistry.

L4 ANSWER 35 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
DOCUMENT NUMBER:
137:78946
137:78946
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DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: Patent English

ABSTRACT:
The title compds. [1: R1 = H, cyanomethyl: R2 = H, Ne: R3 = H, alkyl, methoxycarbonylphenoxymethyl: provided that R1. R2 and R3 are not simultaneously a hydrogen atom) which are useful in agriculture and horticulture, particularly as fungicides, were prepared Thus, reacting 3.4-dichloroisothiazole-5-carbonyl-chloride with 1-cyanoctanomine in the presence of Et3N in CH2C12 afforded | [R1, R2 = H: R3 = n-C7H15] which showed control values of more than 90% against Pyricularia oryzae at 500 ppm.

439898-30-3P
RL: AGE (Agricultura) use): BSU (Biological study, unclassified): SPN
(Synthetic preparation): BIOL (Biological study): PREP (Preparation): USES
(Uses)

(Uses)
(preparation of isothiazolecarboxamides as agrochem, microbicides)
439898-30-3 CAPUS
Benzoic acid, 4-[2-cyano-2-{{(3,4-dichloro-5-isothiazoly1)carbony1}amino]p
ropoxy]-, methyl ester (CA INDEX NAME)

L4 ANSWER 35 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

ANSWER 36 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
439124-09-1P 439124-11-5P 439124-13-7P
439124-15-9P 439124-17-1P 439124-19-3P
439124-20-6P 439124-22-6P 439124-22-4P
439124-20-6P 439124-32-3P
439124-39-5P 439124-30-6P
439124-39-5P 439124-30-6P
439124-39-6P
439124-39-6P
439124-40-0P
439124-40-0P
439124-40-0P
439124-40-6P
439124-40-6P
439124-40-6P
439124-40-6P
439124-40-0P
439124-40

(Uses) (preparation of N-acyl aminoacetonitriles having pesticidal properties)
439124-09-1 CAPLUS
Acetamide, 2-(4-chlorophenoxy)-N-[2-(2-chlorophenoxy)-1-cyano-1methylethyll- (CA INDEX NAME)

439124-11-5 CAPLUS Acetamide, 2-(4-chlorophenoxy)-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]- (CA INDEX NAME)

;
439124-13-7 CAPLUS
Acetamide, 2-(4-chlorophenoxy)-N-[1-cyano-2-(2,3-dichlorophenoxy)-imethylethyl]- (CA INDEX NAME)

439124-15-9 CAPLUS Acetamide, 2-(4-chlorophenoxy)-N-[1-cyano-2-(2.4-dichlorophenoxy)-1-methylethyl]- (CA (NDEX NAME)

439124-17-1 CAPLUS Acatamida, 2-(4-ch)orophanoxy)-N-[1-cyano-2-(3,4-dichlorophanoxy)-1-mathylathy]- (CA INDEX NAME)

L4 ANSWER 36 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2002:487545 CAPLUS
DOCUMENT NUMBER: 137:63070
TITLE: Preparation of N-acyl aminoacetonitriles having Preparation of N-acyl mainoacetonitriles having pesticidal properties Ducray, Pierre: Steiger, Arthur: Bouvier, Jacques: Zambach, Werner Syngenta Participations Ag, Switz. PCT Int. Appl., 55 pp. CODEN: PIXXD2 Patent English 1

INVENTOR (S):

PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: LANGUAGE: FAMILY ACC, NUM. COUNT: PATENT INFORMATION:

	PATENT NO.					KIN	KIND D		DATE			ICAT	ION	NO.		D	ate			
	WO	2002	0500	52			-	2002	0627		WO 2	001-	EP14	922		2	0011	218		
		T:	AE.	AG.	Al.,	AN.	AT.	AU.	AZ.	BA.	ВВ,	BG.	BR.	BY.	BZ.	CA.	CH,	CN,		
			CO.	CR.	CU.	CZ.	DE.	DK.	DN.	DZ.	EC,	EE.	ES.	F1.	GB,	GD,	GE,	GH,		
				HR.	HU.	10.	IL.	1N.	15.	JP.	KE,	KG.	KP.	KR.	KZ,	LC,	LK,	LR,		
			LS.	LT.	LU.	LV.	MA.	MD.	MG.	MK.	MN,	MW.	MX.	MZ.	NO.	NZ.	PH,	PL,		
			PT.	RO.	RU.	SD.	SE.	SG.	SI.	SK.	SL,	TJ.	TN,	TR,	TT,	TZ.	UA,	UG,		
			US.	UZ.	VN.	YU.	ZA.	ZW.	AM,	AZ.	BY,	KĠ,	KZ,	MD,	RU,	TJ.	TX			
		RW:	GH,	GM,	KE,	LS,	MW.	MZ,	SD,	SL,	SZ.	TŻ,	UG,	ZN,	ZW.	AT.	BE,	CH,		
			CY.	DE,	DK.	ES,	F1.	FR,	GB,	GR,	IE,	IT,	LU,	MC,	NL,	PΤ,	SE,	TR,		
			BF.	BJ.	CF.	CG,	CI.	CM,	GA,	GN,	GQ,	GW,	ML,	MR.	NE,	SN,	TD,	TG		
											AU 2002-24942						20011218			
'R 10	ORITY APPLN. INFO.:			: :					CH 2000-2490											
											WO 2	001-	EP14	922		₩ 2	001 E	218		

OTHER SOURCE(S): GRAPHIC INAGE:

MARPAT 137:63070

ABSTRACT:
The tille compds. [1: R] = (un)substituted aryl, heteroaryl: R2 = mlkyl, haloalkyl: R3 = H, alkyl, haloalkyl: R4-R6 = H, halo, alkyl, haloalkyl: R7 = halo, alkyl, haloalkoxy: X = O, S, SO, SO(2: n = O-1) which have advantageous pesticidal properties and are suitable for the control of parasites in warm-blooded organisms and of plant pesta, were prepared. Thus, amidation of 2-mainco-3-(2, 3-dichlorophenory)-2-methyl propionitile with 4-chlorophenoxyacetic acid afforded the aminoacetonitrile II. Compds. I exhibit good activity against Heliothis virescens, Plutella xylostella and Diabrotica baltenta.

L4 ANSWER 36 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

439124-19-3 CAPLUS
Acetamide, 2-(4-chlorophenoxy)-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

439124-20-6 CAPLUS Propanamide, 2-(4-chlorophenoxy)-N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]- (CA INDEX NAME)

439124-22-8 CAPLUS
Propanamide, 2-(4-chlorophenoxy)-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]- (CA INDEX NAME)

439124-24-0 CAPLUS
Propanaeide, 2-(4-chlorophenoxy)-N-[1-cyano-2-(2,3-dichlorophenoxy)-1-methylethyl)- (CA INDEX NAME)

439124-26-2 CAPLUS
Propanamide, 2-(4-chlorophenoxy)-N-[1-cyano-2-(2,4-dichlorophenoxy)-1-methylethyl)- (CA INDEX NAME)

L4 ANSWER 36 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 439124-27-3 CAPLUS CN Propanaide, 2-(4-chlorophenoxy)-N-[1-cyano-2-(3,4-dichlorophenoxy)-1methylethyl]- (CA INDEX NAME)

RN 439124-28-4 CAPLUS
CN Propanamide, 2-(4-chlorophenoxy)-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl}- (CA INDEX NAME)

$$\begin{array}{c|c} F_3C & Ne & Ne & Ne \\ \hline & O-CH_2-\begin{matrix} C-Ni+ & C-CH-0 \end{matrix} & C1 \\ \hline & CN & CN & CN \end{matrix}$$

RN 439124-29-5 CAPLUS
CN Propansaide, 2-(4-chlorophenoxy)-N-[2-(2-chlorophenoxy)-1-cyano-1methylethyl)-2-methyl- (CA INDEX NAME)

RN 439124-30-8 CAPLUS
CN Propanaside, 2-(4-chlorophenoxy)-N-[2-(4-chlorophenoxy)-1-cyano-1methylethyl]-2-methyl- (CA INDEX NAME)

RN 439124-32-0 CAPLUS
CN Propansaide, 2-(4-chlorophenoxy)-N-[1-cyano-2-(2,3-dichlorophenoxy)-1-

L4 ANSWER 36 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 439124-42-2 CAPLUS
CN Acetamide, N-[2-(4-chlorophenoxy)-1-cyano-l-methylethyl]-2-(3,4-dichlorophenox)-) (CA INDEX NAME)

RN 439124-44-4 CAPLUS CN Acetamide, M-[1-cyano-2-(2,3-dichlorophenoxy)-1-methylethyl]-2-(3,4-dichlorophenoxy) (CA INDEX NAME)

RN 439124-46-6 CAPLUS CN Acatamide, N-[1-cyano-2-(2,4-dichlorophenoxy)-1-mothylethyl]-2-(3,4-dichlorophenoxy) (CA INDEX KAME)

RN 439124-48-8 CAPLUS CN Acetamide, N-[1-cyano-2-(3, 4-dichlorophenoxy)-1-methylethyl]-2-(3, 4-dichlorophenoxy) (CA INDEX NAME) L4 ANSWER 36 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
methylethyl]-2-methyl- (CA INDEX NAME)

RN 439124-34-2 CAPLUS
CN Propanamide, 2-(4-chlorophenoxy)-N-[1-cyano-2-(2,4-dichlorophenoxy)-1-methyl- (CA INDEX NAME)

RN 439124-36-4 CAPLUS
CN Propansaide, 2-(4-chlorophenoxy)-N-[1-cyano-2-(3,4-dichlorophenoxy)-1-methylethyl]-2-methyl (CA INDEX NAME)

RN 439124-38-6 CAPLUS
CN Propanamide, 2-(4-chlorophenoxy)-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]sthyl]-2-methyl- (CA INDEX NAME)

RN 439124-40-0 CAPLUS
CN Acetamide, N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-2-(3, 4-dichlorophenoxy) - (CA INDEX NAME)

L4 ANSWER 36 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 439124-50-2 CAPLUS
CN Acetamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-2-(3, 4dichlorophenoxy) - (CA INDEX NAME)

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 37 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER:
DOCIMENT NUMBER:
137:78955

AUTHOR (S):

AUTHOR (S):

AUTHOR (S):

CORPORATE SOURCE:

CORPORAT PUBLISHER:
DOCUMENT TYPE:
LANGUAGE:
OTHER SOURCE(S):
ABSTRACT: OTHER SOURCE(S): CASERACT 137:278955:

ASSTRACT:

a-Sulfinyl ketimines and p-sulfinyl enamines undergo reaction with delivery cyanide reagents such as (trimethylsilyl)cyanide or (tert-butyldimethylsilyl)cyanide in the presence of either stoichiometric excesses of Znc12 or Znd27, or catalylic amount of Ybtff0)3. Ketimines included (-)-4-methoxy-N-[2-1(R)-(4-methylphenyl)sulfinyl]-1-phenylelhylidene]benzenmaine, (+)-3-[[(R)-(4-methylphenyl)sulfinyl]-1-oxa-4-azaspiro(4,5)idec-3-ene and (-)-N-[([E)-2-[(R)-(4-methylphenyl)sulfinyl]methyl]-1-oxa-4-azaspiro(4,5)idec-3-ene and (-)-N-[([E)-2-[(R)-(4-methylphenyl)sulfinyl]benzenmeethannamine. The use of ZnC12 in alc. solvents provides the best dimstereoselectivity. It is mediated by a chelated transition state, the p-tolyl group driving the anti attack of the reagent. By using Ybtff0)3 poor dimstereoselectivities but good yields are obtained. It seems that an insinium derivative originated by metal coordination with either the nitrogen or oxygen arom in the substrate is responsible for the observed results. Interestingly, P-sulfinyl elamines provide analogous a-maino nitriles in the same reaction conditions. It allowed the cyanosilylation of the covalently stabilized enamines provide analogous p-sulfinyl allowlydes. 466671-16-9P 466671-17-0P 466671-19-2P :
466671-20-5P :
46671-20-5P :
46671-20

 $\label{eq:continuous} \begin{array}{lll} 466671-17-0 & CAPLUS \\ Benzeneacetonitrile, & \alpha-[(4-methoxyphenyl)amino]-\alpha-[[(R)-(4-methylphenyl)sulfinyl]methyl]-, & (CA INDEX NAME) \\ \end{array}$

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION MAMBER:
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PATENT ASSIGNEE(S):
SOURCE:
DOCUMENT TYPE:

POOLIMENT TYPE:

12 CAPLUS COPYRIGHT 2008 ACS on STN
2001:851106 CAPLUS
325:371999
Preparation of N-substituted peptidyl nitriles as cysteine cathepsin inhibitors
Coren, Scott Douglas: Greenspan, Paul David: McQuire, Leslie Wighton: Tommasi, Ruben Alberto: Van Duzer,
Novartis A.—G., Switz.: Novartis—Erfindungen
Verwaltungsgesellschaft m.b.H.
DOCUMENT TYPE:

DOCUMENT TYPE:

Patent

Absolute stereochemistry. Rotation (+).

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

OTHER SOURCE(S):

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wo	2001	0878	328		AL	-	2001	1122		WO: 2	001-	EP54	63		- 3	20010	514
	¥:	AE.	AG,	AL.	AM.	AT.	AU.	AZ.	BA.	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
		CO.	CR.	CU.	CZ.	DE.	DK.	DM.	DZ.	EC.	EE,	ES,	FI.	GB,	GD,	GE,	GH,
		GM.	HR.	HU.	TD.	IL.	IN.	IS.	JP.	KE.	KG,	KP.	KR,	KZ,	LC,	LK,	LR,
		LS.	LT.	LU.	LV.	MA.	MD.	MG.	MK.	MN.	MW.	MX.	MZ.	NO.	NZ,	PL.	PT,
		RO.	RU.	SD.	SE.	SG.	SI.	SK.	SL.	TJ.	TM.	TR.	TT.	TZ,	UA,	UG.	US,
			VN.														
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		DE.	DK.	ES.	Fl.	FR.	GB.	GR.	IE.	17.	LU.	MC.	NL.	PT,	SE,	TR,	BF,
		B1.	CF.	CG.	C1.	CM	GA.	GN.	GW.	ML.	MR.	NE.	SN.	TD.	TG		
CA	2407				Al		2001	1122		CA: 2	001-	2407	463		:	20010 20010	514
EP	1283	825			At		2003	10219		EP 2	001-	9779	58		- :	20010	514
EP	1283	825			Вı		2005	60914									
	R:	AT.	BE.	CH.	DE.	DK.	ES.	FR.	GB.	GR.	17,	LI.	LU,	NL.	SE,	MC,	PT,
		1E.	SI.	LT.	LV.	F1	RO,	MK.	CY.	AL,	TR						
IP	2003	3533	606		Ŧ		2003	1111		JP 2	001-	5842	25		- :	20010	
ÃΤ	3045	526			T		2005	0915		AT 2	001-	9779	58		:	20010	514
ES	2249	1482	506		T3		200€	0401		ES 2	001-	1977	958		- 2	20010	
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US	6812	2237			B2		2004	11102									
ידנו	Y APE	LN.	INFO.	:						US; 2	000-	2042	17P		Р :	20000	515
										WO 2	001-	EP54	63		w :	20010	514

OTHER SOURCE(S): MARPAT 135:371998
ARSTRACT:
Peptidyl nitriles RINMCR2R3CONIRCHRSCN [Ri is (bi)aryl: RZ is (bi)aryl-lower alkyl, benzo-fused cyclosikyl, (bi)cyclosikyl-lower alkyl, aryloxy-lower alkyl, or aryl-C2-C7-alkyl in which C2-C7-alkyl is interrupted by Y (Y is O, S, SO, SO, CO, Mi) or alkylismio): R3 is the rolower alkyl or RZ and R3 combined are C2-C7-alkylene or -alkylene interrupted by Y: R4 is the rolower alkyl; R5 is the optionally substituted lower alkyl, (bi)aryl-lower alkyl, aryloxy-lower alkyl, or aryl-C2-C7-alkyl in which C2-C7-alkyl is interrupted by Y] or their pharmaceutically acceptable sails were prepared as cysteine cathepsin inhibitors. Thus, N-[2-(3-carboxy-4-fluorobenzyloxy)-1(S)-cysnocthyl-3-methyl-Ne-phenyl-1-phenylalaniamide was prepared by condensation of (S)-2-amino-3-[3-[2-(trienthylaily)] schoxylcarbonyl]-4-fluorobenzyloxylpropionitrile with Ne-phenyl-3-methyl-L-phenylalaniamic (synthesos given), followed by siter clanage.

MARPAT 135:371998

374118-06-6P 374118-08-8P 374118-09-9P 374118-10-2P 374118-11-3P 374118-12-5P 374118-15-7P 374118-15-7P 374118-15-8P 374118-16-8P 374118-16-8P 374118-16-8P 374118-16-8P 374118-29-1P 374118-22-8P 374118-25-9P 374118-26-0P 374118-27-1P 374118-28-3P 374118-29-3P 374118-29-3P 374118-32-6P 374118-32-6P 374118-32-6P 374118-32-8P

L4 ANSWER 37 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

Absolute stereochemistry. Rotation (-).

466671-19-2 CAPLUS
Cyclohetanecarbonitrile, 1-[[(IR)-1-cyano-1-[[(R)-(4-methylphenyi)]sulfinyi]methyl]-2-[(trimethylsilyi)oxy]ethyl]amino]- (CA
INDEX NAME)

Absolute stereochemistry

 $\label{lem:def-46671-20-5} \begin{array}{lll} 466671-20-5 & CAPLUS \\ Cyclohexanecarbonitrile, & l=[\{(1R)-1-cyano-1-[\{[(1,1-dimethylsily])oxy]methyl]-2-[\{R\}-(4-methylphenyl)sulfinyl]ethyl]amino]- (9C1) & (CA INDEX NAME) \\ \end{array}$

Absolute stereochemistry.

REFERENCE COUNT:

63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ANSWER 38 0F 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
374118-33-99 374118-37-99 374118-33-49
374118-39-95 374118-37-93 974118-33-49
374118-49-97 374118-41-99 374118-47-59
374118-45-99 374118-47-19 374118-45-97
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374118-45-97 374118-58-95 374118-50-09
374118-51-19 374118-55-55 374118-55-39
374118-55-77 374118-55-55 374118-55-66
374118-57-77 374118-58-89 374118-52-49
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Absolute stereochemistry.

374118-08-8 CAPLUS
Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-1-oxo-3-phenyl-2-(phenylamino)propyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

374118-09-9 CAPLUS Benzolc acid, 3-[[(2R)-2-cyano-2-[[(2S)-1-oxo-2-(phenylamino)-3-(3-pyridinyl)propyl]maino]ethoxy]methyl]- (CA INDEX NAME)

1

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 374118-10-2 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(1-methyl-1H-imidazol-4-yl)-1-oxo-2-(hehmyl amino) propyl] amino | ethoxyl sethyl | - (CA INDEX NAME)

Absolute stereochemistry.

RN 374118-11-3 CAPLUS
CN Benzoic acid, 3-[[(1S)-2-[((1R)-2-[((3-carboxypheny))methoxy]-1-cyanoethyl]amino]-1-[((3-methylpheny))methyl]-2-oxoethyl]amino]-, 1-methyl ester (CA | NDEX | NAME)

Absolute stereochemistry.

RN 374118-12-4 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methy]pheny])-2-[(4-methy]pheny])anino]-1-oxopropy]]amino]ethoxy]methy]- (CA INDEX NAME).

Absolute stereochemistry.

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued a-(phenylamino)-, (aS)- (CA INDEX NAME)

Absolute stereochemistry.

RN 374118-18-0 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[(2S)-1-oxo-2-(phenylamino)-3-(4-pyridinyl)propyl]amino]ethoxy]methyl]-, trifluoroacetate (9C1) (CA INDEX NAME)

CM 1

CRN 374118-17-9 CMF C25 H24 N4 04

Absolute stereochemistry.

CN 2

CRN 76-05-1 CMF C2 H F3 02

F-C-C02H

RN 374118-19-1 CAPLUS
CN Benzenepropanamide, N-[(IR)-1-cyano-2-[[3-(hydroxymethyl)phenyl]methoxy]ethyl]-3-methyl-u-(phenylamino)-, (uS)- (CA INDEX NAME)

Absolute stereochemistry.

RN 374118-21-5 CAPLUS CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-1-oxo-2-(phenylamino)-3-(lH-

14 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 374118-13-5 CAPLUS
CN Benzoic acid, 4-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2-(phenylamino)propyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 374118-14-6 CAPLUS CN Benzoic acid, 3-[(2R)-2-cyano-2-[(2S)-1-oxo-2-(phenylamino)-3-(4-thizoly1)propy]amino]ethoxy]methyl]- (CA INDEX TAME)

Absolute stereochemistry.

RN 374118-15-7 CAPLUS
CN Benzole acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(1H-indol-3-y])-1-oxo-2(pheny) mainol propy) laminojethoxy lacthy 1]- (CA INDEX NAME)

Absolute stereochemistry.

RN 374118-16-8 CAPLUS
CN Benzenepropanamide, N-[(1R)-1-cyano-2-(phonylmethoxy)ethyl]-3-methyl-

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
pyrrolo[2,3-b]pyridin-3-y1)propyl]amino]ethoxy]methyl]-, trifluoroacetate
(9CI) (CA INDEX NAME)

CN

CRN 374118-20-4 CMF C27 H25 N5 O4

Absolute stereochemistry.

CN 2

CRN 76-05-1 CMF C2 H F3 O2

F-C-C02H

RN 37418-22-6 CAPLUS
CN Benzoic acid. 3-[[(2R)-2-[((2S)-2-[(4-chlorophenyl)amino]-3-(3-methylphenyl)-1-oxopropyl]amino]-2-cyanonthoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 374118-23-7 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-[[(2S)-2-[(3-chlorophenyl)nmino]-3-(3-authylphenyl)-1-oxpropyl]amino]-2-cyanouthoxy[mcthyl]- (CA INDEX NAME)

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

374118-24-8 CAPLUS
Benzoic acid, 3-[{(2R)-2-cyano-2-[{(2S)-3-(3-methylphenyl)-1-oxo-2-[{3-(trifluorosethyl)phenyl)asino]propyl]asino]ethoxylmethyl]- (CA INDEX NAME)

Absolute stereochemistry.

374118-25-9 CAPLUS

Benzolc acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(4-fluorophenyl)anino]-3-(3-methylphenyl)-1-oxopropyl]anino]ethoxy]pethyl]- (CA INDEX NAME)

Absolute stereochemistry.

 $\begin{array}{lll} 374118-26-0 & CAPLUS \\ Benzoic acid. & 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-2-[(2-methylphenyl)]-i-loxopropyl]amino]ethoxylmethyl)- & (CA INDEX NAME) \\ \end{array}$

Absolute stereochemistry.

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

374118-30-6 CAPLUS

Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(3-cyanophenyl)anino]-3-(3-acih)jphenyl)-1-oxopropyl]anino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

374118-3]-7 CAPLUS
Benzoic acid. 3-[[(2R)-2-[[(2S)-3-(3-chlorophenyl)-1-oxo-2-(phenylamino)propyl]amino]-2-cyanoethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

374118-32-8 CAPLUS

Renzoic acid, 3-[(2R)-2-cyano-2-[(2S)-2-[(3-methoxyphenyl)amino]-3-(3-methylphenyl)-1-oxopyropyl]amino]cihoxy]methyl]- (CA INDEX NAME) RN CN

Absolute stereochemistry.

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

374118-27-1 CAPLUS
Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-2-[(3-methylphenyl)amino]-1-oxopropyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

374118-28-2 CAPLUS
Benzoic acid, 3-[[(2R)-2-[((2S)-2-(6-benzothiazolylamino)-3-(3-methylphenyl)-1-coxpropyl]amino]-2-cyanocthoxylmethyl]- (CA INDEX NAME)

Absolute stereochemistry.

374118-29-3 CAPLUS
Benzoic acid. 3-[[(2R)-2-cyano-2-[[(2S)-2-[(3,4-dichlorophenyl)amino]-3-(3-methylphenyl)-1-oxopropyllamino]cthoxylmethyl) (CA INDEX MAME)

ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 374118-33-9 CAPLUS Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-(1H-indol-5-ylamino)-3-(3-methylphenyl)-1-oxopropyl]mainolethoxy]methyl]- (CA INDEX NAME)

374118-34-0 CAPLUS
Benzoic acid, 3-[(2R)-2-[(2S)-2-[(3-acetylphenyl)amino]-3-(3-acethylphenyl)-1-oxopropyljamino]-2-cyanoethoxylmethyl]- (CA INDEX NAME)

Absolute stereochemistry.

374118-35-1 CAPLUS
Benzolc acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methoxyphenyl)-1-oxo-2-(phenylasino)propyl]asino]ethoxy]aethyl]- (CA INDEX NAME)

Absolute stereochemistry.

374118-36-2 CAPLNS
Renzolc acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-2-[(3-nitrophenyl)amino]-1-oxopropyl]amino]ethoxy]methyl]- (CA INDEX NAME) Absolute stereochemistry.

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 37418-37-3 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(4-cyanopheny])amino]-3-(3-methylpheny))-1-oxopropy] amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 374118-38-4 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2-[[4-(trifluoromethyl)phenyl]amino]propyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 374118-39-5 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-2-[[4-(methylsulfonyl)phenyl]amino]-1-oxopropyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 37418-43-1 CAPLUS

Benzoic acid, 3-[[(2R)-2-[[(2S)-2-[(2-acetylphenyl)amino]-3-(3-actylphenyl)-1-oxopropyllamino]-2-cyanoethoxylmethyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 374118-44-2 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-4-methyl-1-oxo-2-[[3-(trifluoromethyl)phenyl]amino]pentyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 374118-45-3 CAPLUS

Renzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(2,3-dihydro-2-methy]-1,3-dioxoIll-isoindol-5-yl]naino]-3-(3-mathylphenyl)-1-oxopropyl]nmino]othoxy]mathyl

- (CA INDEX NAWE)

Absolute stereochemistry.

RN 374118-46-4 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(2,3-dihydro-3-oxo-1H-inden-5-

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 374118-40-8 CAPLUS
Renzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(1,3-dihydro-1-oxo-5-isobenzofuranyi) amino]-3-(3-methylphenyl)-1-oxopropyl]amino]ethoxy]methyl]-(CA INDEX NAME)

Absolute stereochemistry.

RN 37418-41-9 CAPLIS
CN Benzoic acid, 3-[[(2R)-2-[[(2S)-2-(2-benzoxazolylamino)-3-(3-methylphenyl)1-oxoproyl]mainoj-2-cyanocthoxylmethyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 374118-42-0 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-4-methyl-1-oxo-2-(phenylamino)pentyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
y])amino]-3-(3-methylphenyl)-1-oxopropyl]amino]ethoxy]methyl]- (CA INDEX
NAME)

Absolute stereochemistry.

RN 374118-47-5 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-cyclohexyl-1-oxo-2-(phenylamino)propyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 374118-48-6 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-[[(2S)-2-[(5-acetyl-2-thienyl)maino]-3-(3-acetyl)phenyl)-1-oxopropyl]maino]-2-cyanocthoxylmathyl (CA INDEX NAME)

Absolute stereochemistr

RN 374118-49-7 CAPLUS
CN Benzeneropannaide, N-[(1R)-1-cyano-2-[(3-hydroxyphenyl)methoxy]ethyl]-3methyl-a-(phenyl)maino)-, (4S)- (CA | NMEX NAME)

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

374118-50-0 CAPLUS
Bentoic acid, 3-[[(2R)-2-[[(2S)-3-(3-chlorophenyl))-2-[(1,3-dihydro-3-oxo-5isobenzofuranyl)amino]-1-oxopropyl]amino]-2-cyanoethoxy]methyl]- (CA
INDEX NAME)

Absolute stereochemistry.

 $\begin{array}{lll} 374118-51-1 & CAPLUS \\ Benzoic acid, & 3-[\{(2R)-2-cyano-2-[\{(2S)-3-(4-methoxyphenyl)-1-oxo-2-[\{(3-(trifluoromethyl)phenyl]amino]propyl]amino]ethoxy]methyl)- & (CA INDEX NAME) \\ \end{array}$

374118-52-2 CAPLUS
Benzoic acid. 3-[[(2R)-2-cyano-2-[[(2S)-3-(4-methoxyphony])-2-[(3-meth)|pheny])anino]-1-oxopropy]]anino]ethoxy]methy]| (CA INDEX NAME)

374118-53-3 CAPLUS
Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(2-fluoro-5-methylphenyl)amino]-3-(4-methoxyhenyl)-1-oxopropyl]amino]ethoxy]methyl]- (CA INDEX NAME)

ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

374118-57-7 CAPLUS
Benzolc acid, 3-[(2R)-2-cyano-2-[(2S)-2-[(3-fluoro-5-(trifluoromethyl)phenyl]amino]-3-(3-macthyl)phenyl)-1oxopropyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

374118-58-8 CAPLUS
Benzoic acid, 3-[[(2R)-2-[[(2S)-2-[[3.5-bis(trifluoromethyl)phenyl]amino]-3-(3-methylphenyl)-1-oxopropyl]amino]-2-cyanoethoxy]methyl]- (CA INDEX NAME)

 $\label{eq:control_state} \begin{array}{lll} 374[18-59-9 & CAPLIS \\ & Benzoic acid, & 3-[\{(2R)-2-cyano-2-[\{(2S)-3-(5-methyl-2-furanyl)-1-oxo-2-\{(3-(rif|uoromethyl)phenyl]maino]propyl]naino]ethoxy]methyl]- & (CA & INDEX NAME) \\ & NAME) \end{array}$

Absolute stereochemistry.

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

Absolute stereochemistry.

374118-54-4 CAPLUS
Benzoic acid, 3-[(2R)-2-cyano-2-[(2S)-2-[(3.4-dicyanophenyl)amino]-3-(3-acthylphenyl)-1-oxopropyllamino]enhoxylmethyl]- (CA (NDEX NAME)

Absolute stereochemistry.

374118-56-6 CAPLUS
Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[[3-methoxy-5-(1rifluorosethyl)phenyl]anino]-3-(3-methylphenyl)-1-oxopropyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

374118-60-2 CAPLUS
Benzolc acid, 3-[{(2R)-2-cyano-2-[[(2S)-2-[(3-cyanophenyl)amino]-3-(5-methyl-2-furanyl)-1-oxopropyl]amino]ethoxy[methyl]- (CA INDEX NAME)

Absolute stereochemistry.

 $374118-62-4 \quad CAPLUS \\ Benzoic acid, \ 3-[(1S)-2-[(1R)-2-[(3-carboxyphenyl)acihoxy]-1-cyanocihyl]anino]-1-[(5-acihyl-2-furanyl)acihyl]-2-oxocihyl]anino]-, |-aihyl-acitor (CA INDEX NAME)$

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 374118-63-5 CAPLUS
CN Benzoic acid. 3-[[(2R)-2-[[(2S)-2-[(3-carboxphenyl)amino]-3-(5-methyl-2-furanyl)-1-oxopropyl]amino]-2-cyanouthoxylmethyl]- (CA INDEX RAME)

Absolute stereochemistry.

RN 374118-68-8 CAPLUS
CN Benzoic acid, 3-[((2R)-2-cyano-2-[((2S)-3-(3-methylphenyl)-1-oxo-2-[(3-(1-pytrolidinylcarbonyl)phenyl)amino]propyllamino]ethoxyjmethyll- (CA INDEX MAME)

Absolute stereochemistry.

RN 374118-67-9 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cymno-2-[[(2S)-2-[[3[(dinethylamino)carbonyl]phenyl]maino]-3-(3-methylphenyl)-1oxopropyl]maino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 374118-71-5 CAPLUS

Senzoic acid, 3-[(2R)-2-cyano-2-[(2S)-2-[(2-fluoropheny])amino]-3-(3-acity)phenyl)-1-oxopropyl]amino]ethoxyjmethyl]- (CA INDEX MAME)

Absolute stereochemistry.

RN 374118-72-6 CAPLUS

Renzenepropananide, N-[(1R)-1-cyano-2-[[3-(1H-tetrazo]-5-y1)pheny]]methoxy]ethyl]-3-methyl-a-(phenylamino)-, (aS)-(9C) (CA INDEX NAME)

Absolute stereochemistry

RN 374118-73-7 CAPLUS
CN Benzoin acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-{(1,3-dihydro-3-oxo-5-isobenzofuranyl)amino]-3-(3-methyl)phenyl)-1-oxopropyl]amino]ethoxy]methyl]-(CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 374118-68-0 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[[3-[(netryl maino) carbony|] phenyl] maino]-3-(3-methyl phenyl) - oxopropyl] amino] ethoxyl methyl] - (CA INDEX NAME)

Absolute stereochemistry.

RN 374118-69-1 CAPLUS
CN Benzoic acid, 5-[[(2R)-2-cyano-2-[[(2S)-3-(3-macthylpheny])-1-oxo-2(phenylasinolpropylasinolethoxylmethyl)-2-fluoro- (CA INDEX NAME)

Absolute stereochemistry.

RN 374118-70-4 CAPLUS
CN Benzoic seid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2-[[4-(1-pyrrolidinylcarbonyl)phenyl]amino]propyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued

RN 374118-74-8 CAPLUS
CN Benzoic acid, 3-[[(2S)-2-cyano-2-[[(2S)-2-[(1,3-dihydro-1,1-dimethyl-3-oxo-5-isobenzofuranyl)amino]-3-(3-methylphanyl)-1-oxopropyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 374118-75-9 CAPLUS
CN Benzenepropanaside, N-[(IR)-1-cyano-2-[(3-(I)+tetrazo)-5y1) pheny] | sethory] ethy] | ---((1, 3-dihydro-3-oxo-5isobenzofurany) | saino]-3-methy]-, (wS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 374118-76-0 CAPLUS
Rnnzoic ncid, 5-[(28)-2-cyano-2-[(28)-2-[(1,3-dihydro-3-oxo-5-isobencofuranyl)anino]-3-(3-methylphenyl)-1-oxopropyl]anino]ethoxy]methyl]-2-fluoro- (CA INDEX NAME)

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

374118-77-1 CAPLUS
Benzoic acid, 5-[[(2R)-2-cyano-2-[[(2S)-2-[(4-fluorophenyl)amino]-3-(3-methylphenyl)-1-oxopropyl]amino]ethoxylmethyl]-2-fluoro- (CA INDEX NAME)

Absolute stereochemistry.

374118-78-2 CAPLUS
Benzoic acid, 4-[[(2R)-2-cyano-2-[[(2S)-2-[(1,3-dihydro-3-oxo-5isobenzofuranyl)amino]-3-(3-methylphenyl)-1-oxopropyl]amino]ethoxy]methyl]2-fluoro- (CA INDEX MAME)

Absolute stereochemistry.

374118-79-3 CAPLUS
Benzoic acid, 4-[[(2R)-2-cyano-2-[[(2S)-3-(3-mathylphenyl)-1-oxo-2-(phenylamino)propyl)aminojethoxylmethyl]-2-fluoro- (CA INDEX NAME)

ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

374118-83-9 CAPLUS
Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2-(phenylamino)propyl)mainojethoxylmethyl)-2,6-difluoro- (CA INDEX NAME)

 $374118-84-0 \quad CAPLUS\\ Benzoic acid, 3-1[(2R)-2-cyano-2-[(2S)-3-(3-acthylphenyl)-1-oxo-2-(3-pyridinyllaaino)propyl]aaino]ethoxylaethyl]- (CA INDEX RAME)$

Absolute stereochemistry.

374118-85-1 CAPLUS
Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2-(phenylamino)propyl]amino]athoxy]methyl]-2-fluoro- (CA INDEX NAME)

Absolute stereochemistry.

374119-63-8 CAPLUS
Benzoic scid, 3-f[(2R)-2-cyano-2-f[[1-(phenylamino)cyclohoxyl)carbonyl]amino]cthoxylamino)cyclohoxyl)carbonyl]aminojcthoxylaminojcinoxylaminoj

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN Absolute stereochemistry. (Continued)

 $\begin{array}{lll} 374118-80-6 & CAPLUS \\ Benzoic acid, & 3-[[(2R)-2-cyano-2-[\{(2S)-1-oxo-2-(phenylamino)-3-[4-(trifluoromethyl)phenyl]propyl]amino]ethoxy]methyl]- & (CA INDEX NAME) \\ \end{array}$

Absolute stereochemistry.

374118-81-7 CAPLUS
Benzoic acid, 5-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2-(phenylamino)propyl)amino|ethoxylmethyl]-2,4-difluoro- (CA INDEX NAME)

Absolute stereochemistry.

374118-82-8 CAPLUS
Benzoic acid, 2-chloro-5-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2-(phenylamino)propyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN Absolute stereochemistry. (Continued)

225122-60-IP 225122-61-2P 374119-18-3P 374119-19-4P 374119-20-7P 374119-23-0P 374119-24-19 374119-25-2P 374119-25-3P 374119-25-3P 374119-25-3P 374119-25-3P 374119-45-6P 374119-46-7P RE: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent) (preparation of Neubstituted peptidy) nitriles as cysteine cathepsin inhibitors) 25122-60-1 CAPLUS Benzoic acid, 3-[(4R,75)-4-cyano-11,11-dimethyl-7-[(3-methylphenyl)methyl]-6,9-dioxo-2,10-dioxa-5,8-diazadodec-1-yl]-, 2-propenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Absolute stereochemistry.

374119-18-3 CAPLUS
Benzoic acid, 3-[[(2R)-2-cyano-2-[[(1,1-dimethylethoxy)carbonyl]amino]etho
xy|mathyl]-, 2-propenyl cater (9Cl) (CA INDEX NAME)

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued

RN 374119-19-4 CAPLUS :

Rnzoic acid, 3-[[(2R)-2-maino-2-cyanoethoxy]methyl]-, 2-propenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 374119-20-7 CAPLUS
CN Benzoic acid, 5-[[(2R)-2-amino-2-cyanosthoxy]methyl]-2-fluoro-, 2-propenyl ester (9CJ) (CA INDEX NAME)

Absolute stereochemistry.

RN 374119-23-0 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(1,1-dimethylethoxy)carbonyl]amino]etho
xy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 374119-24-1 CAPLUS CN Carbamic scid, [(1R)-1-cyano-2-[[3-[[(2-cyanoethy1)amino]carbony1]pheny1]m

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 374119-44-5 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2-(phenylamino)propyl]amino]ethoxylmethyl]-, 2-propenyl ester (9Cl) (CA INDEX NAME)

Absolute stereochemistry.

RN 374119-45-6 CAPLUS
CN Benzenepropannaide, N-{(IR)-1-cyano-2-[[3-[1-(2-cyanoethy])-1H-tetrazol-5-y1]pheny]methoxy]ethyl]-3-methyl-u-(phenylamino)-, (uS)- (CA INDEX NAME)

Absolute stereochemistry.

RN 374119-46-7 CAPLUS
CN Henzoic acid, 5-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2(phenylamino)propyl]amino]ethoxy]methyl]-2-fluoro-, 2(trimethylsilyl)ethyl ester (CA INDEX NAME)

Absolute stereochemistry

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) ethoxy]ethyl]-, 1,1-dimethylethyl ester (9C1) (CA INDEX NAME)

Absolute stereochemistry.

RN 374119-25-2 CAPLUS
CN Carbamic acid, [(1R)-1-cyano-2-[[3-[1-(2-cyanoethyl)-1H-tetrazol-5-yl]phenyl]methoxy]ethyl]-, 1.1-dimethylethyl ester (9Cl) (CA INDEX NAME)

Absolute stereochemistry.

RN 374119-26-3 CAPLUS

IH-Tetrazole-1-propanenitrile, 5-[3-[{(2R)-2-amino-2-cyanoethoxy]methyl]phenyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 374119-29-6 CAPLUS
CN Benzoic acid, 5-[[(2R)-2-amino-2-cyanoethoxy]methyl]-2-fluoro-, 2-(trimethylsilyl)ethyl ester (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

EFERENCE COUNT: I THERE ARE I CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 39 OF 82
ACCESSION NUMBER:
DOCUMENT NUMBER:
1ST: 3371749

INVENTOR(S):

RVENTOR(S):

R

Ward, Yencey David: Toung, Erick Michard Moush
USA
U.S. Pat. Appl. Publ., 75 pp., Cont.-in-part of U.S.
Ser. No. 627, 869.
CODEN: USXXCO
Patent
English
2 PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE US 2001041700 US 6313117 US 2003087939 20011115 20011106 20030508 20031118 US: 2001-862674 US: 2000-627869 US: 2002-278546 20010522 20000728 20021023 US 6649642 PRIORITY APPLN, INFO. :

US: 1999-146647P US: 2000-627869 US: 2001-862674 P 19990730 A2 20000728 A1 20010522

MARPAT 135:371749

ARSTRACT:

Title compds. [1: A = CO, R80CH: R1 = (substituted) alkyl, cycloalkyl, aryl, heterocyclyl, heteroaryl, amino: R2 = H, alkyl, OH, alkoxy: R3, R4 = H, alkyl; R5 = H, alkyl, cycloalkyl, aryl, heterocyclyl, heteroaryl: R6 = H, alkyl optionally interrupted by 1-2 N, O, S. R7 = H, alkyl, alkyl interrupted by 1-2 N, O, S. cycloalkyl, aryl, heterocyclyl, aryl, heteroaryl: cyano: R8R7 = atoms to form a 4-7 membered heterocyclic or carbocyclic ring: R8 = H, alkyl, cycloalkyl, alkyl; X = O, SJ, were prepared as inhibitors of cysteine proteases such as cathepsins B, F, K, L, and S in the treatment of

ANSWER 39 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 1.4

324794-53-8 CAPLUS
4-Norpholinebutanamide, N-[1-cyano-2-(phenylmethoxy)ethyl]-u-(2, 2-dimethylpropyl)-y-oxo- (CA INDEX NAME)

324794-57-2 CAPLUS
4-Morpholinebutanamide, N-[1-cyano-2-(phenylmethoxy)ethyl]-a-(2-naphthalenylmethyl)-y-oxo- (CA INDEX NAME)

324794-60-7 CAPLUS
Butanediemide, N4-[4-(acetylamino)phenyl]-N1-[1-cyano-2-(phenylmethoxy)ethyl]-2-(cyclohexylmethyl)- (CA INDEX NAME)

324794-97-0 CAPLUS
4-Morpholinebulanamida, N-[1-cyano-3-[(1-mathylethyl)(phenylmathyl)amino]propyl]--(Cyclohexylmathyl)-y-oxo- (CA INDEX NAME)

324795-09-7 CAPLUS
4-Morpholincbutaneaida, N-[(IR)-1-cynno-2-(phenylaethoxy)cthyl]-4-(cyclohexylaethyl)-y-oxo-, (4R)- (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 39 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) autoimmune diseases, Altheimer's disease, and atherosclerosis. Thus, (R)-2-cyclohexylmethyl-4-morpholin-4-yl-4-oxobutyric acid (preps, given) in DMF at 0° was treated with EDC, 1-hydroxybenzotrisaclo, O-benzyl-L-serimanide, HCl, and N-methylmorpholine followed by stirring overnight to give N-(2-benzyloxy-|-carbanylethyl-2-cyclohexylmethyl-4-morpholin-4-yloxobutyramide. The latter was stirred 1 h with cyanuric chloride in DMF at 0° to give title compd. (11). 1 inhibited cathepsin S with ICSOS

IT 324793-52-4P 324793-54-6P 324794-49-2P
324794-53-8P 324794-57-2P 324754-60-7P
324794-97-07 324795-69-7P 324795-10-0P
324794-77-07 324795-69-7P 324795-10-0P
324795-11-5P 324795-62-7P 324795-30-4P
324795-11-5P 324795-62-24P 324795-30-4P
324795-11-5P 324795-62-24P 324795-30-4P
324795-11-5P 324795-32-4P 324795-30-4P
324795-11-5P 324795-32-4P 324795-30-4P
324795-31-5P 324795-32-4P 324795-30-4P
324795-31-5P 324795-32-4P 324795-30-4P
324795-31-5P 324795-32-4P 324795-30-4P
324795-31-5P 324795-31-5P

324793-54-6 CAPLUS
4-Morpholinebut anamide, N-[2-[(4-chlorophenyl)methoxy]-1-cyanoethyl]α-(cyclohexylmethyl)-γ-oxo- (CA INDEX NAME)

324794-49-2 CAPLUS 4-Morpholinebutanamide, N-[1-cyano-2-(phenylmethoxy)ethyl]- α -(2-methylpropyl)- γ -oxo- (CA INDEX NAME)

L4 ANSWER 39 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

324795-10-0 CAPLUS
Cyclohexanecarboxamide, N-[(1R)-1-cyano-2-(phenylmethoxy)ethyl]-2-(4-morpholinylcarbonyl)- (CA INDEX NAME)

324795-11-1 CAPLUS Butanedismide, N4-[4-(5-chloro-]H-benzimidazo]-2-yl)phenyl]-N1-[(1R)-i-cyano-2-(phenylmethoxy)ethyl]-2-(cyclohexylmethyl)-, (2R)- (9C1) (CA INDEX NAME)

324795-22-4 CAPLUS
4-Morphol inebutanmaide, N-[i-cyano-1-[[methyl (phenylmethyl) amino]methyl]-3phenylpropyl]-a-(cyclohexylmethyl)-y-oxo-, (uR)- (CA
INDEX NAME)

L4 ANSWER 39 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

324795-30-4 CAPLUS ;
4-Morpholinebutanamide, N-[2-[bis(phenylmethyl)amino]-1-cyanocthyl]q-(cyclohexylmethyl)-y-oxo- (CA INDEX NAME)

Absolute stereochemistry.

324795-65-5P
RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent)
(preparation of succinic acid diamides as inhibitors of cysteine proteases (cathepsins) in the treatment of autoimmune diseases, Alzheimer's disease, and atherosclerosis)
324795-65-5 CAPLUS
Benzenebutamentifrile, d-amino-d-[[methyl (phenylmethyl) amino]methyl] - (CA INDEX NAME)

L4 ANSWER 40 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION MAMBER:
DOCUMENT NUMBER:
136:95585
AUTHOR(S):

AUTHOR(S):

AUTHOR(S):

AUTHOR(S):

COPENSIAN PAUL D: Clark, Kirk L: Toomasis, Ruben A:
COPENSIAN COPENSIAN

DOCIMENT TYPE: Journal LANGLAGE: Journal LANGLAGE: Bralish ASTRACT: Cathepsin B is a member of the papain superfamily of cysteine proteases and has been implicated in the pathol. of numerous diseases, including arthritis and cancer. As part of an effort to identify potent, reversible inhibitors of this protease, we examined a series of dispepticyl nitriles, starting with the previously reported Cbr-Phe-NH-CHZCN (19. IC50 = 62 µM). High-resolution x-ray crystallog, data and mal. modeling were used to optimize the Pl. P2, and P3 substituents of this template. Cathepsin B is unique in its class in that it contains a carboxylate recognition site in the S2 pocket of the active site. Inhibitor potency and selectivity were enhanced by tethering a carboxylate functionality from the carbon a to the nitrile to interact with this region of the enzyme. This resulted in the identification of a compound, a 7 nh inhibitor of cathepsin B, with excellent selectivity over other cysteine cathepsins.

225;21-05-IP 225;121-06-2P 225;21-17-5P
225;21-87-9P 225;122-18-9P 389600-13-9P
389600-18-0P 389600-15-1P 389600-17-3P
389600-18-4P 389600-19-5P 389600-20-8P
389600-19-4P 389600-19-5P 389600-20-8P
389600-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use): BIOL (Biological study); PREP (Preparation); USES
(Uses)
(preparation of dipeptidyl nitriles as potent and selective inhibitors of cathepsin B through structure-based drug design)
252121-05-1 CAPLUS
Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(diphenylaccty1)amino]-3-(3-methylphenyl)-1-cxopropyl]amino]ethoxy]sethyl]-, methyl aster (9C1) (CA
INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 39 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

ANSWER 40 0F 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 225121-06-2 CAPLUS Benzoic acid, 3-[((2R)-2-cyano-2-[[(2S)-2-[(diphenylacetyl)amino]-3-(3-melhylphenyl)-1-oxopropyl]amino]ethoxy|methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

 $\begin{array}{lll} 225121-17-5 & CAPLUS\\ Benzoic acid. & 3-[\{(2R)-2-[\{(2S)-2-(benzoylamino)-3-(3-methylphenyl)-1-oxoproyi]] gainioj-2-cyanoethoxylmethyl]- & (CA INDEX NAME) \\ \end{array}$

Absolute stereochemistry.

225121-87-9 CAPLUS
Benzoic acid, 3-[(3S)-3-cynno-3-[[(2S)-2-[(diphenylacety1)amino]-3-(3-methylphenyl)-1-oxopropyl]amino]propoxy]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

225122-18-9 CAPLUS
Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(2,4-difluorobenzoyl)amino]-3-(3-methylphenyl)-1-oxopropyl]amino[athoxy]methyl]- (CA INDEX NAME)

L4 ANSWER 40 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

389600-13-9 CAPLUS
Benzenepropanamide, N-[(1R)-1-cyano-2-(phenylmethoxy)ethyl]-a[(diphenylacetyl)amino]-3-methyl-, (aS)- (9C1) (CA INDEX NAME)

389600-14-0 CAPLUS
Benzoic acid, 4-[(2R)-2-cyano-2-[((2S)-2-((diphenylacetyl)amino)-3-(3-methylphenyl)-1-oxopropyl]amino|cthoxylmethyl)- (9Cl) (CA INDEX NAME)

Absolute stereochemistry.

Absolute stereochemistry.

ANSWER 40 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

389600-20-8 CAPLUS
Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2-[(1-oxopentyl)amino]propyl]amino]ethoxylmethyl)- (CA INDEX NAME)

Absolute stereochemistry.

389600-21-9 CAPLUS Benzenepropansmide, N-[(1R)-1-cyano-2-(phenylmethoxy)ethyl]-u-[(2,4-difluorobenzy)]amino]-3-methyl-, (uS)- (CA INDEX NAME)

Absolute stereochemistry.

225122-60-IP 225122-61-2P 225122-64-5P
374119-18-3P
RL: RCT (Renctant): SPN (Synthetic preparation): PREP (Preparation): RACT
(Renctant or reagent)
(reparation of dipeptidy! nitriles as potent and selective inhibitors of
225122-60- (APLUS Ratructure-based drug design)
225122-60- (APLUS Ratructure-based drug design)
Benzoic acid, 3-[4(R,7S)-4-cyano-11,11-dimethyl-7-[(3-methylphenyl)methyl]6,9-diozo-2,10-diozo-5,8-diazododec-1-yl]-, 2-propenyl ester (9CI) (CA
INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 40 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

389600-17-3 CAPLUS
2-Furancarboxylic acid, 4-{3-[[(2R)-2-cyano-2-[[(2S)-2-(diphenylacetyl)maino]-3-(3-methylphenyl)-1-oxopropyl]amino]ethoxy]methyl
]phenyl]- (9Cl) (CA INDEX NAME)

Absolute stereochemistry.

389600-18-4 CAPLUS
Benzenepropanamide, a-[(4-chloro-2-fluorobenzoyl)amino]-N-[(IR)-1-cyano-2-(phenylmethoxylethyl]-3-methyl-, (aS)- (CA INDEX NAME)

Absolute stereochemistry.

 $389600-19-5 \quad CAPLUS \\ Benzoic acid, & 3-[[(2R)-2-[(2S)-2-[(4-chloro-2-fluorobenzoyl)amino]-3-(3-methylphenyl)-1-oxopropyl)amino]-2-cyanoethoxylmethyl]- (CA INDEX NAME)$

Absolute stereochemistry.

L4 ANSWER 40 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

225122-61-2 CAPLUS Benzoic acid, $3-[\{(2R)-2-[\{(2S)-2-amino-3-(3-methylphenyl)-1-oxopropyl]amino]-2-cyanoethoxy]methyl]-, 2-propenyl ester (9CI) (CA INDEX NAME)$

RN 225122-64-5 CAPLUS CN Benzoic acid, 3-(3-amino-3-cyanopropoxy)-, methyl ester (CA INDEX NAME)

374119-18-3 CAPLUS
Bentoic acid, 3-[[(2R)-2-cyano-2-[[(1,1-dimethylethoxy)carbonyl]amino]etho
xy]methyl]-, 2-propenyl cater (9Cl) (CA INDEX NAME)

Absolute stereochemistry.

374119-19-4P 389600-22-0P RL: SPN (Synthetic preparation): PREP (Preparation) (preparation of dispetidy) nitriles as potent and selective inhibitors of cathepain B through structure-based drug design) 374119-19-4 CAPLUS Benzolc acid, 3-[(2R)-2-amino-2-cyanocthoxy]methyl]-, 2-propenyl ester (GCI) (CA INDEX MAME)

ANSWER 40 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

 $389600-22-0 \quad CAPLUS\\ Benzoic acid, \ 3-[[(2R)-2-cyano-2-[[(2S)-2-[(2,4-difluorobenzoyi)amino]-3-((3-methylphenyl)-1-oxopropyl]amino]ethoxy]methyl]-, \ 2-propenyl ester (9C1) (CA INDEX NAME)$

Absolute stereochemistry.

REFERENCE COUNT:

THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 42 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
DOCUMENT NUMBER:
11TLE:
INVENTOR(S):

RVENTOR(S):

CAPLUS COPYRIGHT 2008 ACS on STN
2001:101117 CAPLUS
1241:163044
Preparation of succinic acid diamides as cysteine protease sinhibitors:
Bekkali, Younes: Betageri, Raj: Emmanuel, Michel:
Hickey, Eugene: Liu, Weisin: Spero, Denice M.;
Thomson, David S.; Ward, Yancey: Young, Erick R.;
Patel, Usba S.; Ward, Yancey: Young, Erick R.; Thosson, David S.: Ward, Yancey: Young, Erick R. Patel. Usha Boehringer Ingelheim Pharmaceuticals, Inc., USA PCT Int. Appl., 221 pp. CODEN: PIXXD2

PATENT ASSIGNEE (S): SOURCE:

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

	PATENT NO.			KIN	D	DATE			: APF	LICA	TION	NO.		D	ATE	
WO	20010091			Al	-	2001	0208		MO.	2000	-US20	453		2	0000	728
	W: CA, RW: AT, PT	JP. BE. SE	CH,	CY.	DE,	DK,	ES,	FI,	FR	R, GB	, GR,	IE.	IT.	LU,	MC.	NL
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OTHER SO	DURCE(S):			MAR	PAT	134:	1630	44						_		

ARSTRACT:
Title compds. [1: A = CO, R80CH: R1 = (substituted) alkyl, cyclonlkyl, aryl,
heterocyclyl, heteroaryl, amino: R2 = H, alkyl; CH, alkozy: R3, R4 = H, alkyl;
R5 = H, alkyl, cyclonlkyl, aryl, heterocyclyl, heteroaryl: R6 = H, alkyl
optionally interrupted by 1-2 N, O, S; R7 = H, alkyl, alkyl interrupted by 1-2
N, O, S, cyclonlkyl, aryl, heterocyclyl, aryl, heteroaryl, cyano: R6R7 = mtoms

L4 ANSWER 41 OF 82
ACCESSION NAMER:
DOCAMENT NAMER:
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PUBLISHER: DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): ABSTRACT:

English CASREACT 136:167154

ABSTRACT: A series of α -alkyl- α -amino- β -sulfonyl hydroxamates HONMCOCRI(NR2R3)CH2SO2C6H4KPH-4 [RI = Ne. R2 = H. Ac. Ne. Et. CH2Ph, CH2CH2Ph, 3, 4-methyl-emedioxybenzyl, 2-maphthyl-methyl, propparyl, pyrrolidinosectyl, R3 = H. X = 0: RI-R3 = Ne. X = 0: RI = Ne. R2 = H. Ac. R3 = H. X = S: RI = Ph. R2 = Bx + H. X = 0: RIR2 = (CH2)2, R3 = propparyl, X = 0) was prepared and evaluated for potency ws. NAP-2 and NAP-13, and for selectivity vs. NAP-1. Lor nanomolar potency was obtained with selectivity vs. NAP-1 ranging from >10 to >1000. Selected compds. were orally bioavailable.

397330-25-5P
RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent)
(a-alkyl-a-maino-B-sulfony) hydroxamates as potent MAMP
inhibitors that spare MAMP-1)
397330-25-5 CAPLUS
Propanenitrile, 2-amino-2-methyl-3-[(4-phenoxyphenyl)thio]- (CA INDEX MAME)

REFERENCE COUNT:

THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 42 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) to form a 4-7 membered heterocyclic or carbocyclic ring: R8 = H, alkyl, cycloalkyl, cycloalkyl, aralkyl; X = 0, S1, were prept. s inhibitors of cysteine proteases such as cathepsins B, F, K, L, and S in the treatment of autoimmune diseases. Altheimer's diseases, and atherosclerosis. Thus, (R)-2-cyclohexylmethyl-4-morpholim-4-yl-4-oxobutyric acid (prepn. given) in DMF at 0° was treated with EDC, 1-hydroxybenzotriazole, O-benzyl-L-serinamide, and N-methylmorpholine followed by stirring overnight to give N-(2-benzylmoxyl-taryl-amougholim-4-yl-acopholim-4-yl-acopholim-4-yl-acopholim-4-oxobutyramide. The latter was stirred 1 h with cyanuric chloride in DMF at 0° to give title compd. (11). 1 inhibited cathepsin S with ICSOM

10 jau.

11 324793-52-4P 324793-54-6P 324794-49-2P
324794-53-8P 324794-57-9P 324794-60-7P
324795-11-1P 324795-09-7P 324795-10-0P
324795-11-1P 324795-22-4P 324795-30-4P
324795-11-1P 324795-22-4P 324795-30-4P
324795-31-5P
RL: BAC (Biological activity or effector, except adverse): BSU (Biological study): PREP (Preparation): THU (Therapeutic use): BIOL (Biological study): PREP (Preparation): USES (Usex)

(preparation of succinic acid diamides as inhibitors of cysteine proteases (cathepsins) in the treatment of autoimmune diseases, Alzheimer's disease, and atherosclerosis)

RN 324793-52-4 CAPLUS

(**A-Morpholinebutanamide*, N-[1-cyano-2-(phenylmethoxy)ethyl]-a-(cyclohexylmethyl)-y-oxo- (CA INDEX MAME)

324793-54-6 CAPLUS
4-Morphol inebut namide, N-[2-[(4-chlorophenyl)methoxy]-1-cyanoethyl]o-(cyclohazylmethyl)-y-oxo- (CA INDEX NAME)

324794-49-2 CAPLUS 4-Morpholinebutanamide, N-[1-cyano-2-(phenylmethoxy)ethyl]- α -(2-mothylpropyl)- γ -oxo- (CA INDEX NAME)

ANSWER 42 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 324794-53-8 CAPLUS 4-Norpholinebutanamide, N-[1-cyano-2-(phenylmethoxy)ethyl]-a-(2, 2-dimethylpropyl)-y-oxo- (CA INDEX NAME)

324794-57-2 CAPLUS :
4-Morpholinebutanamide, N-[1-cyano-2-(phenylmethoxy)ethyl]-a-(2-naphthalenylmethyl)-y-oxo- (CA INDEX NAME)

324794-60-7 CAPLUS
Butanedinmide, N4-[4-(acetylamino)phenyl]+N1-[1-cyano-2(phenylmethoxy)ethyl]-2-(cyclohexylmethyl)- (CA INDEX NAME)

324794-97-0 CAPLUS
4-Morpholinebutantide, N-[1-cyano-3-[(1-methylethyl)(phenylmethyl)amino]propyl]---(cyclohexylmethyl)----oxo- (CA INDEX NAME)

$$\begin{array}{c} O & CN & CH_2-Ph \\ C-NH-CH-CH_2-CH_2-N-Pr-i \\ CH_2-CH-CH_2-C-N \\ \end{array}$$

324795-09-7 CAPLUS
4-Morpholinebutanamide, N-[(1R)-1-cyano-2-(phenylmethoxy)ethyl]-a-(cyclohexylmethyl)-y-oxo-, (qR)- (CA INDEX NAME)

Absolute stereochemistry.

ANSWER 42 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

324795-30-4 CAPLUS : Harding N-[2-[bis(phenylmethyl)amino]-1-cyanoethyl]-a-(cycloheylmethyl)-y-oxo- (CA INDEX NAME)

324795-31-5 CAPLUS
4-Morphol inebulanamide, N-[(1S)-1-cyano-2-[ethyl(phenylmethyl)amino]ethyl]w-(cyclokay/methyl)-y-oxo-, (QR)- (CA INDEX NAME)

Absolute stereochemistry.

324795-65-5P
RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent) (repeated of succinic acid diamides as inhibitors of cystoine proteases (cathersins) in the treatment of nutoimmune diseases, Alzheimer's disease, and atherosclerosis) 324795-65-5 CAPLUS
Benzenebutamentirile, e-mmino-e-[[mathyl(phenylmethyl)amino]methyl]- (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS

ANSWER 42 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

324795-10-0 CAPLUS Cyclohexanecarboxide, N-[(IR)-1-cyano-2-(phenylmethoxy)ethyl]-2-(4-aorpholinylcarboxy)- (CA INDEX NAME)

Absolute stereochemistry.

324795-11-1 CAPLUS Butanediaside, N4-[4-(5-chloro-IH-benzimidazo]-2-y1)pheny1]-N1-[(IR)-i-cyano-2-(phenylmethoxy)ethy1]-2-(cyclohexylmethy1)-, (2R)- (9C1) (CA INDEX NAME)

324795-22-4 CAPLUS
4-Morphol inebutanemide, N-[1-cyano-1-[[methyl(phenylmethyl)amino]methyl]-3-phenylpropyl]-a-(cyclohexylmethyl)-y-oxo-, (aR)- (CA

Absolute stereochemistry.

L4 ANSWER 42 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
RECORD, ALL CITATIONS AVAILABLE IN THE RE FORMAT

(Continued)

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L4 ANSWER 43 OF 82
ACCESSION NUMBER:
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INVENTOR(S):
PATENT ASSIGNEE(S):
SOURCE:
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ACCEPTION COPYRIGHT 2008 ACS on STN
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     OTHER SOURCE(S):
ABSTRACT:
UNITE SOURCE(S): CASHCALI 133:352132 MARYAI 133:352132

Novel protected monomer building blocks BochNICHECH2NHOOZCHHNOZ-p (I: Boc = tert-butoxycarbony), R represents a side-chain of a natural or unnatural, common or uncommon maino acid in which optionally present functional groups are protected were prepared and used in the solid phase synthesis of oligourea peptidomimetics. Thus, (S)-BochNICHECN (3: R is side chain of Phe, Tyr, Leu, Ser, or Lys) were prepared from the Boc-maino acids via the amides. Nitriles 3 were subjected to hydrogenation over Raney Ni and reacted with CICOZCGHNOZ-PO in the presence of DiPEA and DCM to afford 1. If (R = H) was prepared directly from BochNICHZCHCHZP. Urea dimer (S, S)-HOZCH(CHZCHAEZ) NICONNICZCH(CHZPh) NNZ and triaer (S, S)-HOZCHCHZCHAEZ) NICONNICZCH (CHZPh) NNZ CHAECH CHZPH) NNZ were prepared by the solid-phase method using monomers I.
                                          244778-26-5P
RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent)
(preparation of monomers and oligoures peptidomimetics)
244778-26-5 CAPLUS
Carbamic acid. [(IR)-I-cyano-2-(phenylmethoxy)ethyl]-, I.1-dimethylethyl ester (9C1) (CA INDEX NAME)
     Absolute stereochemistry. Rotation (-).
  L4 ANSWER 44 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER:
DOCUMENT NUMBER:
133:208196

PRIENT ASSIGNEE(S):
SOURCE:
COPEN: PATENT ASSIGNEE(S):
SOURCE:
COPEN: PATENT TYPE:
LANGUAGE:
COPEN: PIXXO2
DOCUMENT TYPE:
LANGUAGE:
COPEN: PIXXO2
PATENT INSPENDATION:
English

English

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          FAMILY ACC. NUM. COUNT:
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A3 20011024
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US 1999-434106
WO 1999-US26278
US 2001-82952
                                                                                                                                                                                                                        MARPAT 133:208196
          OTHER SOURCE(S):
       OTHER SOURCE(S): MARPAT 133:208196

ARSTRACT:
Compds. R1-A-NICR2R3C(:X)NR4CR5R6R7 [A = C:0, C:S, C:NI or substituted imino group: R1 = (un) aubstituted alkyl, cycloalkyl, aryl, heterocyclyl, heteroaryl, amino: R2. R4 = H, alkyl: R3. R6 = H or (un) substituted alkyl, cycloalkyl, aryl, heterocyclyl, heteroaryl: R5 = H, alkyl: cycloalkyl: R7 = R8C(Z), where Z = 0, S, R10 or substituted derivative and R8 is (un) substituted 5-8 membered monocyclic or 8-11 membered bicyclic heteroaryl having 1-4 heteroatoms salected from N, 0 and S1 x = 0, S, NOH] were prepared as cathepsin S inhibitors. Thus, morpholine-4-carboxylic acid [1-(S)-[1-(S)-cyano-3-phenylpropylcarbamoyl]-3-methylbutyl] havide was prepared by coupling L-homophenylsaninamide with N-(4-morpholinecarbonyl)-1-loucine and renction with cyanuric chloride. Compds. of the invention were evaluated for inhibition of cathepsin S (1C50 s 100 µM).
                                          00 µM).

290816-77-2P 290816-78-3P 290816-81-8P
290816-82-9P 290816-83-0P 290816-84-1P
290816-85-2P 290816-83-3P 290816-87-4P
290816-85-5P 290816-98-0P 290816-97-4P
290816-91-0P 290816-92-1P 290816-93-2P
290816-91-3P 290816-95-4P 290817-02-6P
290817-09-3P
290817-09-3P
18.1 BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); TIU (Therapeutic use); BIOL (Biological study); PREP (Preparation); ESS (Usea)
(preparation of peptides as reversible inhibitors of cathepsin S)
290816-77-2 CAPLUS
4-Norpholinecarboxamida, N=[(1S)-1=[[[(1R)-1-cyano-2-(phenylaethoxy)sihyl]amino]carbonyl]-3-methylbutyl]- (CA INDEX NAME)
          11
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L4 ANSWER 44 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN Absolute stereochemistry 290816-78-3 CAPLUS
4-Morpholinecarboxamide, N-[(1S)-1-[[[(1R)-1-cyano-2-(phenylaethoxy)ethyl]amino]carbonyl]-3, 3-dimethylbutyl]- (CA INDEX NAME) .CMe3 290816-8]-8 CAPLUS
4-Morphol inecarboxamide, N-[(1S)-1-[[[(1R)-1-cyano-2-[(pheny]methyl) thio]ethyl]maino]carbonyl]-3-methylbutyl]- (CA INDEX NAME)

290816-82-9 CAPLUS
4-Morpholinearhoxamido, N-[(1S)-1-[[((IR)-2-[(2-chloropheny!)methoxy]-1-cyanoethyl]amino]carbonyl]-3-methylbutyl}- (CA INDEX NAME)

290816-83-0 CAPLUS 4-Morpholinecarboxamide, N-[(IS)-1-[[[(IR)-2-[(4-chlorophany1)methoxy]-1-cyanoethy]]maino]carbony1]-3-methylbuty1]- (CA INDEX NAME)

290816-83-0 CAPLUS

L4 ANSWER 43 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

3

REFERENCE COUNT:

L4 ANSWER 44 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN Absolute stereochemistry.

290816-84-1 CAPLUS
4-Morpholinecarboxamide, N-[(IS)-1-[[((IR)-1-cyano-2-[(4-methoxyphenyl)methoxy]ethyl]amino]carbonyl]-3-methylbutyl]- (CA INDEX NAME)

Absolute stereochemistry.

290816-85-2 CAPLUS

4-Morpholinecarboxamide, N-[(IS)-1-[[[(IR)-1-cyano-2-[(phenylamthyl)thio]ethyl]amino]carbonyl]-3, 3-dimethylbutyl]- (CA INDEX NAME)

Absolute stereochemistry.

290816-86-3 CAPLUS
4-Morpholinecarboxamide, N-[(IS)-1-[[(IR)-1-cyano-2-[(phenylmethyl)sulfonyl]amino[carbonyl]-3-methylbutyl]- (CA INDEX NAME)

Absolute stereochemistry.

$$\bigcup_{j=1}^{n}\bigcup_{k=1}^{n}\bigcup_{k=1}^{n}\bigcup_{k=1}^{$$

ANSWER 44 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

290816-91-0 CAPLUS
4-Morpholinecarboxamide. N-[(IS)-1-[[[(IR)-1-cyano-2-[(2-methylphenyl)methoxy]ethyl]mmino]carbonyl]-3-methylburyl]- (CA INDEX NAME)

290816-92-1 CAPLUS
4-Morpholinecarboxamide. N-[(IS)-1-[[(IR)-1-cyano-2-[(3-acthy)]heny])sethoxy]ethy]]naino]carbony]]-3-acthylbuty]]- (CA INDEX NAME)

Absolute stereochemistry.

290816-93-2 CAPLUS
4-Morpholinecurboxamide, N-[(1S)-1-[[[(1R)-1-cyano-2-[(4-methy]phenyl)methoxy]ethyl]mmino]carbonyl]-3-methylbutyl]- (CA INDEX NAME)

Absolute stereochemistry.

290816-94-3 CAPLUS

Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-4-methyl-2-[(4-morpholinylcarbonyl)amino]-1-oxopentyl]amino]ethoxy]methyl]-, mothyl cater (CA INDEX NAME) RN CN

ANSWER 44 0F 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 290816-87-4 CAPLUS (Copyright Copyright Copyr

290816-88-5 CAPLUS
4-Norpholinecarboxamide, N-[(IS)-1-[[[(IR)-1-cyano-2-[[(4-methoxyphenyl)methyl]thio]ethyl]amino]carbonyl]-3-methylbutyl]- (CA INDEX NAME)

290816-89-6 CAPLUS
4-Morphol inecarboxamide, N-[(IS)-1-[[((IR)-2-[(3-chlorophenyl)methoxy]-1-cyanoethyl]maino[carbonyl]-3-methylbutyl]- (CA INDEX MAME)

Absolute stereochemistry.

290816-90-9 CAPLUS
Pentananide, N-[(1R)-1-cyano-2-(phenylacthoxy)ethyl]-2-[[[5(dimethylamino)-1-naphthalenyl]sulfonyl]amino]-4-methyl-, (2S)- (CA INDEX
NAME)

Absolute stereochemistry.

L4 ANSWER 44 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN Absolute stereochemistry. (Continued)

290816-95-4 CAPLUS
Benzoic acid, 4-[[(2R)-2-cyano-2-[[(2S)-4-methy]-2-[(4-morpholinylcarbonyl)amino]-1-oxopentyl]amino]ethoxy]methyl]-, methyl ester
(CA INDEX MAME)

290817-02-6 CAPLUS
4-Morpholinecarboxamide, N-[(1S)-2-[[(1R)-i-cyano-2-(phenylaethoxy)ethyl]amino]-i-(cyclohexylaethyl)-2-oxoethyl](CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 45 OF ACCESSION NUMBER: DOCUMENT NUMBER: TITLE: 133:43221
Asymactic synthesis of (25,65)- and
Asymactic synthesis of (25,65)- and
Symactic synthesis of (25,65)- and
Syma AUTHOR (S) : CORPORATE SOURCE: SOURCE: PUBLISHER: DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): GRAPHIC INAGE:

ANSWER 45 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN SSION NUMBER: 2000:252685 CAPLUS MENT NUMBER: 133:43221

NH2 11

ABSTRACT:
The asym. synthesis of the title compds. I and II used the sulfinimine mediated asym. Strecker synthesis including the utility of the N-tosyl group as an amino acid protecting group. Thus, addition of ethylaluminum cyanoisopropoxide to (S)-4-McCBHS(O)N:CH(CH2) 4OCH2Ph gave the quantity lift with 996% diastercomeric excess; III was converted to I in eight steps via the sulfinimine IV.

274694-67-6P 274694-68-7P
RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT
(Reactant or reagent)
(asym. Synthesis of diaminopimelic acids using the sulfininine-mediated
asym. Strecker synthesis)
274694-67-6 CAPULS
Benzenesulfinanide. N-[(IS)-1-cyano-5-(phenylmethoxy)pentyl]-4-methyl-,
[S(S)]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

ANSWER 45 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

274694-68-7 CAPLUS Benzenesulfonamide, N-[(IS)-1-cyano-5-(phenylmethoxy)pentyl]-4-methyl-(CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

REFERENCE COUNT:

THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD, ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 46 OF 82
ACCESSION NUMBER:
DOCUMENT NUMBER:
11TILE:
INVENTOR(S):
PATENT ASSIGNEE(S):
SOURCE:
OCCUMENT TYPE:

DOCUMENT TYPE:

Patent

CAPLUS COPYRIGHT 2008 ACS on STN
1999:708444 CAPLUS
131:310455
131:310455
Preparation of aroylaminoacetonitriles as agricultural and horticultural insecticides
Andoh, Nobuharu: Sampei, Osamu: Sakata, Kazuyuki
Nihon Noblyaku Co., Ltd., Japan
Eur. Pet. Appl., 63 pp.
COOLMENT TYPE: LANGUAGE: Patent
LANGUAGE: Patent
English
FAMILY ACC. NUM, COUNT: 2
PATENT INFORMATION:

APPLICATION NO. DATE PATENT NO. KIND DATE JP 1999-124560 JP 1998-137806 EP 1999-107461 19990430 A 19980501 A3 19990428

MARPAT 131:310455 OTHER SOURCE(S): OTHER SOURCE(S): MARFAT 131:314050
ASSTRACT:
ATIQACONR3C(CN)R4(CRSR6) aW(CRTR8) bAr2 [1: Ar1, Ar2 = (substituted) Ph. PhO,
pyridyl, pyridyloxy, naphthyl; Q = CRIREZ: R1, R2 = H, halo, (halo)alkyl,
(halo)alkoxy, (substituted) cycloalkyl: R1R2 = (substituted) C2-6 alkylone,
CI:CI, C. Iplbond, C: d = 0, 1: R3 = H, halo | kakyl: R4-R8 = H, halo,
(halo)alkyl: W = 0, S, SOZ, NR9: R9 = H, alkyl: a, b = 0-4], were prepared
4-chlorophenol, bromoaccataldehyde di-He acctal, XCCO3, and cat. Nal were
refluxed 3 h in DMF to give 4-chlorophenoxyacctaldehyde di-Me acatal. This was
refluxed with aqueous MCI in acctone to give crude 4-chlorophenoxyacctaldehyde,
which was stirred with NaCN and MHCI in aqueous MI3 to give a reside. This was
stirred with 4-chlorophenylacctyl chloride and E13h in THF to give I (Ar1, Ar2
= 4-C1C6IH4; R)-R8 = H: W = 0: a, d = 1; b = 0). Numerous I at 500 ppm gave

kill of Plutalla xylostella on cabbage
247197-13-3P 247197-14-4P 247197-15-5P
247197-16-6P 247197-177 247197-18-5P
247197-16-6P 247197-177 247197-18-5P
247197-20-2P 247197-22-4P 247197-35-9P
247197-37-1P 247197-39-3P 247197-45-1P
247197-43-9P 247197-45-1P 247197-56-3P
247197-64-4P 247197-65-5P 247197-66-3P
247197-71-3P 247197-65-5P 247197-76-7P
247197-71-3P 247197-78-P 247197-73-5P
247197-71-3P 247197-78-P 247197-79-1P
247197-79-P 247197-78-P
247197-86-0P 247197-78-P
247197-86-P 247197-78-P
247197-86-P 247197-78-P
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ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
247198-06-7P 247198-07-8P 247198-08-9P
247198-12-6P 247198-13-6P 247198-11-4P
247198-12-5P 247198-13-6P 247198-14-7P
247199-12-5P 247198-13-6P 247198-13-6P
247198-18-1P 247198-19-2P 247198-29-9P
247198-18-1P 247198-19-2P 247198-29-9P
247198-29-1P 247198-27-1P 247198-29-1P
247198-29-1P 247198-27-3P 247198-29-P
247198-39-3P 247198-31-8P
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L4 ANSWER 46 OF 82 CAPILUS COPYRIGHT 2008 ACS on STN (CA INDEX NAME)

:
247197-18-8 CAPLUS
Benzeneacetamide, 2-chloro-N-[3-[(4-chlorophenyl)methoxy]-1-cyeno-1-methylpropyl]- (CA INDEX NAME)

247197-20-2 CAPLUS
Benzeneacetamide, 2-chloro-N-[2-(4-chlorophenoxy)-1-cyanoethyl]- (CA
INDEX MAME)

247;97-22-4 CAPLUS Benzeneacetamide, 2-chloro-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-(CA INDEX NAME)

247197-35-9 CAPLUS
Benzeneacetamide, 2-chloro-N-[5-(4-chlorophenoxy)-1-cyano-]-methylpentyl](CA INDEX RAME)

247197-37-1 CAPLUS Benzeneacetamide, 2-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyanopropyl]-(CA INDEX NAME)

ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) adverse): BSU (Biological study, unclassified): SPN (Synthetic preparation): B10L (Biological study): PREP (Preparation): USES (Uses) (preph. of aroylaminoacetonitriles as agricultural and horticultural insecticides)
247197-13-3 CAPUS (Cyclopropanecarboxamide, N-(1-cyano-1-methyl-2-phenoxyethyl)-1-phenyl-(CA INDEX NAME)

247197-14-4 CAPLUS Benzeneacetamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]- (CA INDEX NAME)

247197-15-5 CAPLUS Cyclopropanecarboxamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-1-phenyi- (CA INDEX NAME)

$$\bigcap_{Ph}^{0} \bigcup_{c=NH-c-CH_2-0}^{Ne} \bigcup_{c=NH-c-CH_2-0}^{C1}$$

247197-16-6 CAPLUS
Benzeneacetamide, N-{2-(4-chlorophenoxy)-1-cyano-1-methylethyl}-a-methoxy- (CA INDEX NAME)

247197-17-7 CAPLUS
Benzeneacetamide, 2-chloro-N-[5-(2-chlorophenoxy)-1-cyano-1-methylpentyl]-

L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

247197-39-3 CAPLUS Benzeneacetamide, 2-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyanobutyl]-(CA INDEX NAME)

247197-41-7 CAPLUS
Benzeneacetamaide, 2-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyano-2-aethylpropyl]- (CA INDEX NAME)

247197-43-9 CAPLUS
Benzeneacotamida, 2-chloro-N-[2-(4-chlorophenoxy)-1-cyano-1-cyclopropyleihyl}- (CA INDEX NAME)

247197-45-1 CAPLUS
Benzenencetamide, 2-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyano-2, 2-dimethylpropyl}- (CA INDEX NAME)

- ANSTER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 247197-56-4 CAPLUS Benzeneacetemide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-2-fluoro-(CA INDEX NAME)

247197-57-5 CAPLUS : Cyclopropanecarboxamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylothyl]-1-(2-11uorophenyl)- (CA INDEX NAME) :

247197-62-2 CAPLUS
Benzeneacetamide, 3-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyanopropyl]-(CA INDEX NAME)

247197-63-3 CAPLUS Benzeneacetamide, 3-chloro-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-(CA INDEX NAME)

- 247197-64-4 CAPLUS Benzeneacetamide, 3-chloro-N-[5-(4-chlorophenoxy)-1-cyano-1-methylpeniyl]-(CA INDEX NAME)
- ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

247197-70-2 CAPLUS Cyclopropanecarboxamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-i-(3-chlorophenyl)- (CA INDEX MAME)

247197-71-3 CAPLUS Benzeneacetamide, 4-chloro-N-(1-cyano-1-methyl-2-phenoxyethyl)- (CA INDEX NAME)

247197-72-4 CAPLUS
Benzeneacetamide, 4-chloro-N-[1-cyano-1-methyl-2-(phenylthio)ethyl]- (CA
INDEX NAME)

247197-73-5 CAPLUS Benzeneacetmaide, 4-chloro-N-[1-cyano-1-methyl-2-(phenylsulfonyl)ethyl]-(CA INDEX NAME)

247197-74-6 CAPLUS
Benzeneacetamide, 4-chloro-N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-

ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

247197-65-5 CAPLUS Benzeneacetamide, 3-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyanobutyl]-(CA INDEX NAME)

247197-66-6 CAPLUS
Benzeneacotamide, 3-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyano-2-methylpropyl]- (CA INDEX NAME)

247197-67-7 CAPLUS Benzeneacetamide, 3-chloro-N-[2-(4-chlorophenoxy)-1-cyano-1-cyclopropylethyl]- (CA INDEX NAME)

- 247197-68-8 CAPLUS
 Benzeneacetamide, 3-chloro-N-[1-((4-chlorophenoxy)methyl]-1-cyano-2, 2-dimethylpropyl]- (CA INDEX NAME)
- L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (CA INDEX NAME)

247197-75-7 CAPLUS
Benzeneacetamide, 4-chloro-N-[5-(2-chlorophenoxy)-1-cyano-1-methylpentyl](CA INDEX NAME)

247197-76-8 CAPLUS Benzeneacetamide, 4-chloro-N-[2-(3-chlorophenoxy)-1-cyano-1-methylethyl]-(CA INDEX NAME)

247197-77-9 CAPLUS Benzeneacetamide, 4-chloro-N-[2-(4-chlorophenoxy)-1-cysnocthyl]- (CA INDEX NAME)

247197-78-0 CAPLUS Benzenescelaside, 4-chloro-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-(CA INDEX NAME)

247197-79-1 CAPLUS Benzeneacetamide, 4-chloro-N-[3-[(4-chlorophenyl)methoxy]-1-cyano-1-methylpropyl]- (cA INDEX NAME)

RN 247197-80-4 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[2-[(4-chlorophenyl)thio]-1-cyano-1methylethyl]- (CA INDEX NAME)

$$\begin{array}{c|c} \text{C1} & \text{Me} & \text{O} \\ \text{S-CH2-} & \text{C-NH-} & \text{C-CH2-} \end{array}$$

RN 247197-81-5 CAPLUS
CN Benzeneacetauide, 4-chloro-N-[2-[(4-chlorophenyl)sulfonyl]-1-cyano-1methylethyl]- (CA INDEX NAME)

RN 247197-82-6 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[5-(4-chlorophenoxy)-1-cyano-1-methylpentyl](CA INDEX MAKE)

RN 247197-86-0 CAPLUS
CN Benzenaectaside, 4-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyanopropyl](CA INDEX NAME)

RN 247197-87-1 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[1-[(4-chlorophenoxy)methy]]-1-cyanobutyl](CA INDEX MAE)

L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 247197-97-3 CAPLUS
CN Benzenescetamide, 4-chloro-N-[(IR)-2-(4-chlorophenoxy)-1-cyano-1methylethyl]-a-(1-methylethyl)-, (a5)-rel- (CA INDEX NAME)

Relative stereochemistry

RN 247197-98-4 CAPLUS
CN Benzeneacetaside, 4-chloro-N-[(1R)-2-(4-chlorophenoxy)-1-cyano-1methylathyl)-u-(1-methylethyl)-, (uR)-rel- (9Cl) (CA INDEX
NAME)

Relative stereochemistry.

RN 247197-99-5 CAPLUS
CN Cyclopropaneerboxamide N-[2-(4-chlorophenoxy)-1-cyano-1-methylcthyl]-1(4-chlorophenyl)- (CA INDEX NAME)

RN 247198-00-1 CAPLUS CN Cyclobutanecarboxanido, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-1-(4-chlorophenyl)- (CA INDEX NAME)

L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 247197-88-2 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyano-2-methylpropyl]- (CA INDEX NAME)

RN 247197-89-3 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[2-(4-chlorophenoxy)-1-cyano-1-cyclopropylethyl]- (CA INDEX NAME)

RN 247197-90-6 CAPLUS CN Benzeneacetamide, 4-chloro-N-[1-[(4-chlorophenoxy)methyl]-1-cyano-2, 2-dimethylpropyl]- (CA INDEX MAME)

$$\begin{array}{c} \text{C1} \\ \begin{array}{c} \text{C-Bu} \\ \text{O-CH}_2 - \begin{array}{c} \text{C-NH}_2 - \begin{array}{c} \text{C-CH}_2 \\ \text{C-CH}_2 \end{array} \end{array} \end{array}$$

RN 247197-96-2 CAPLUS
CN Benzenescelanide, 4-chloro-N-[2-(4-chlorophenoxy)-l-cyano-l-methylethyl]a, a-dimethyl- (CA INDEX NAME)

L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 247198-01-2 CAPLUS
CN Cyclopentanecarboxamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-1(4-chlorophenyl)- (CA INDEX KAME)

RN 247198-02-3 CAPLUS
CN Benzeneacetaalde, 4-chloro-N-[2-(4-chlorophenoxy)-i-cyano-i-methylethyl]a, a-dilluoro- (CA INDEX ANME)

RN 247198-03-4 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[1-cyano-2-(4-iodophenoxy)-1-methylethyl](CA INDEX ANAE)

RN 247198-04-5 CAPLUS
CN Benzeneacotamilde, 4-chloro-N-[1-cyano-2-(4-fluorophenoxy)-1-methylethyl](CA INDEX NAME)

RN 247198-05-6 CAPLUS CN Benzeneacetamide, 4-chloro-N-[1-cyano-1-methyl-2-[3L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

RN 247198-06-7 CAPLUS
CN Benzenescetamide, 4-chloro-N-[1-cyano-1-methy]-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

RN 247198-07-8 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[1-cyano-1-methyl-2-[4-(pentafluoroethyl)phenoxy]ethyl]- (9Cl) (CA INDEX NAME)

RN 247198-08-9 CAPLUS
CN Cyclopropanecarboxamide, 1-(4-chloropheny))-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

- RN 247198-09-0 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-[1-cyano-2-[4-(heptafluoropropyl)phenoxy]-1methyltehyl]- 9C1) (CA INDEX NAME)
- L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 247198-15-8 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[1-cyano-2-[4-[(heptafluoropropyl)thio]phenox
y]-1-methylethyl]- (9C1) (CA INDEX NAME)

RN 247198-16-9 CAPLUS
CN Benzeneacetaside, 4-chloro-N-[1-cysno-2-[4-[(heptafluoropropyl)sulfanyl]ph
enoxyl-1-methylethyl]- (SC1) (CA INDEX MAME)

$$\begin{array}{c} F_3C-CF_2-CF_2- \\ \hline \\ \hline \\ O-CH_2- \\$$

RN 247198-17-0 CAPLUS
CN Benzeneacctamide, 4-chloro-N-[1-cyano-1-methyl-2-[4-[(tridecafluorohexyl)thio]phenoxy]ethyl]- (9C1) (CA INDEX NAME)

RN 247198-18-1 CAPLUS
CN Benzeneaceinmide, 4-chloro-N-[1-cyano-1-methyl-2-[4[(triducafluorohexyl)sulfonyl]phenoxy]ethyl]- (9C1) (CA INDEX NAME)

$$F_{3}C-(CF_{2})_{5}-\bigvee_{0-CH_{2}-\xi-NH-\xi-CH_{2}}^{M_{0}}\bigvee_{0-CH_{2}-\xi-NH-\xi-CH_{2}}^{0}$$

RN 247198-19-2 CAPLUS
CN Benzeneacutamide, 4-chloro-N-[1-cyano-1-methyl-2-[4-[[5-(trifluoromethyl)-

L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

$$\begin{array}{c} {\rm F_{3C-CF_{2-CF_{2}}}} \\ \\ {\rm -CH_{2-c}} \\ \\ \\ {\rm -NH-C-CH_{2-c}} \\ \end{array} \right) \\ \begin{array}{c} {\rm Cl} \\ \\ \\ \\ \end{array}$$

RN 247198-10-3 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[1-cyano-2-[4-(1,1-dimethylethyl)phenoxy]-1-methylethyl]- (CA INDEX MAME)

RN 247198-11-4 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[1-cyano-2-[4-(3,3-dimethyl-1-butynyl)phenoxy]-1-methylethyl]- (9C1) (CA INDEX NAME)

RN 247198-12-5 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethoxy)phenoxy]ethyl]- (CA INDEX NAME)

RN 247198-13-6 CAPLUS
CN Benzeneacutamide, 4-chloro-N-[1-cyano-1-methy]-2-[4-(methylthio)phenoxy]ethyl]- (CA INDEX NAME)

- RN 247198-14-7 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-[1-cyano-1-methyl-2-[4-(methylsulfonyl)phenoxy]ethyl]- (CA INDEX NAME)
- L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 2-pyridinyl]oxy]phenoxy]ethyl]- (CA INDEX NAME)

$$F_{3C} \underbrace{ \bigvee_{l=0}^{N} -O-CH_{2} - \bigcup_{l=0}^{N} -O-CH$$

RN 247198-20-5 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[1-cyano-2-(2,4-dichlorophenoxy)-1-methylethyl]- (CA INDEX NAME)

RN 247198-21-6 CAPLUS
CN Benzeneacetamide, 4-chloro-N-[1-cyano-2-(3, 4-dichlorophenoxy)-1-methyl-(CA INDEX NAME)

RN 247198-22-7 CAPLUS CN Benzeneacotamide, 4-chloro-N-[2-(3-chloro-4-fluorophenoxy)-1-cyano-1methylethyl]- (CA INDEX NAME)

$$\begin{array}{c|c} F & & & \\$$

RN 247198-23-8 CAPLUS
CN Benzenencetomide, 4-chloro-N-[1-cyano-1-methyl-2-[4-nitro-3-(trif]uoromethyl)phenoxy[athyl] (CA INDEX NAME)

RN 247198-24-9 CAPLUS

ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) Benzenescetamide, 4-chloro-N-[1-cyano-2-(3,5-dimethylphenoxy)-1-methylethyl]- (CA INDEX NAME)

247198-26-1 CAPLUS : Benzeneacetamide, 4-chloro-N-[1-cyano-2-[4-[(3,3-dichloro-2-propenyl)thio]phenoxy]-1-methylethyl]- (9C1) (CA INDEX NAME)

$$\begin{array}{c} \text{C1}_2\text{C} = \text{CH-CH}_2 - \text{S} \\ \hline \\ \text{O-CH}_2 - \text{C-NH-C-CH}_2 \\ \hline \\ \text{N} \end{array}$$

247198-27-2 CAPLUS
Benzeneacetamide, 4-chloro-N-[1-cyano-2-[4-[(3,3-dichloro-2-propenyl)sulfonyl]phenoxy]-1-methylethyl]- (9CI) (CA INDEX NAME)

- 247198-28-3 CAPLUS
 Benzeneacetaside, 4-chloro-N-[1-cyano-2-[2,6-dichloro-4-[(3,3-dichloro-2-propeny])oxy]phenoxy]-1-methylethyl]- (9Ci) (CA INDEX NAME)
- ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

247198-34-1 CAPLUS Benzeneacetamide, N-[1-cyano-2-(4-iodophenoxy)-1-methylethyl]-4-fluoro-(CA INDEX NAME)

247198-35-2 CAPLUS Benzeneacetamide, N-[1-cyano-1-methy]-2-[4-(1-methy]ethy]) phenoxy]ethyl]-4-fluoro-(CA INDEX NAME)

$$\begin{array}{c} i\text{-Pr} \\ \\ O\text{-} \text{CH}_2\text{-} \\ \\ CN \end{array} \\ \begin{array}{c} \text{Ne} \\ \\ \text{O} \\ \text{CH}_2\text{--} \\ \text{CH}_2\text{---} \\ \end{array} \\ \begin{array}{c} F \\ \\ \end{array}$$

247198-36-3 CAPLUS
Benzeneacetanide, N-[1-cyano-1-methyl-2-[4-(trifluoromethoxy)phenoxy]ethyl
]-4-fluoromethoxy (A INDEX NAME)

247198-37-4 CAPLUS
Benzeneacotamide, N-[1-cyano-1-mothy]-2-[4-(trif]uoromethy]) phenoxy]ethyl]-4-fluoro-(CA INDEX NAME)

247198-38-5 CAPLUS Benzoneacetamide, N-[1-cyano-2-(4-cyanophenoxy)-1-methylethyl]-4-fluoro-(CA INDEX NAME)

L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

247198-29-4 CAPLUS
Benzeneacetamide, 4-chloro-N-[1-cyano-1-methyl-2-[4-(phenylethynyl)phenoxy]ethyl]- (9C1) (CA INDEX NAME)

247198-30-7 CAPLUS Benzeneacetamide, 4-chloro-N-[1-cyano-1-methyl-2-(2-naphthalenyloxy)ethyl]-(CA INDEX NAME)

247198-31-8 CAPLUS Benzeneacctamide, N-[2-(4-chlorophenoxy)-1-cyano-i-methylethyl]-4-fluoro-(CA INDEX NAME)

247198-32-9 CAPLUS
Benzeneacetamide, N-[2-[(4-chlorophenyl)methylamino]-1-cyano-1-methylethyl]-4-fluoro- (CA INDEX NAME)

- 247198-33-0 CAPLUS
 Benzeneacetamide, N-[1-cyano-2-(4-fluorophenoxy)-1-methylethyl]-4-fluoro-(CA INDEX ANME) RN CN
- L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

247198-39-6 CAPLUS
Benzeneacetamide, N-[1-cyano-1-methyl-2-(4-nitrophenoxy)ethyl]-4-fluoro(CA INDEX NAME)

247198-40-9 CAPLUS
Benzeneacetamide, N-[2-(3-chloro-4-fluorophenoxy)-1-cyano-1-methylethyl]-4fluoro- (CA INDEX NAME)

247198-41-0 CAPLUS Benzeneacetamide, N-[1-cyano-1-methyl-2-(pentafluorophenoxy)ethyl]-4-fluoro-(9C1) (CA INDEX NAME)

$$\begin{array}{c|c} F & & \mathbf{Me} & 0 \\ \hline & \mathbf{O} - \mathbf{CH}_2 - \mathbf{CH}_2 - \mathbf{CH}_2 \\ \hline & \mathbf{N} \end{array}$$

247198-43-2 CAPLUS Renzenencetamide, 4-bromc-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-(CA INDEX NAME)

247198-44-3 CAPLUS
Benzoneacetenide, N-[1-cyano-1-methy]-2-[4-(trifluoromethyl)phenoxy]ethyl]2-iodo- (CA INDEX NAME)

247198-45-4 CAPLUS Benzeneacetamide, N-[1-cyano-2-(4-iodophenoxy)-1-methylethyl]-4-iodo- (CA INDEX NAME)

247198-46-5 CAPLUS
Benzeneactamid-N-[1-cyano-1-methy]-2-[4-(trif]uoromethy])phenoxy]ethyl]4-iodo- (CA INDEX NAME)

$$\begin{array}{c|c} F_3C & & M_c & 0 \\ \hline & 0 - \text{CH}_2 - \begin{matrix} c \\ c \\ N \end{matrix} - \begin{matrix} c \\ c \\ C \end{matrix} - \end{matrix} - \begin{matrix} c \\ c \\ C \end{matrix} - \end{matrix} - \begin{matrix} c \\ c \\ C \end{matrix} - \end{matrix} - \begin{matrix} c \\ c \\ C \end{matrix} - \end{matrix} - \begin{matrix} c \\ c \\ C \end{matrix} - \end{matrix} - \begin{matrix} c \\ c \\ C \end{matrix} - \end{matrix} - \begin{matrix} c \\ c \\ C \end{matrix} - \end{matrix} - \begin{matrix} c \\ c \\ C \end{matrix} - \end{matrix} - \begin{matrix} c \\ c \\ C \end{matrix} - \end{matrix} - \begin{matrix} c \\ c \\ C \end{matrix} - \end{matrix} - \begin{matrix} c \\ c \\ C \end{matrix} - \end{matrix} - \begin{matrix} c \\ c \\ C \end{matrix} - \end{matrix} - \begin{matrix} c \\ c \\ C \end{matrix} - \end{matrix} - \begin{matrix} c \\ c \\ C \end{matrix} - \end{matrix} - \begin{matrix} c \\ c \\ C \end{matrix} - \end{matrix} - \begin{matrix} c \\ c \\ C \end{matrix} - \end{matrix} - \begin{matrix} c \\ c \\ C \end{matrix} - \end{matrix} - \begin{matrix} c \\ c \\ C \end{matrix} - \end{matrix} - \end{matrix} - \begin{matrix} c \\ c \\ C \end{matrix} - \end{matrix} -$$

247198-47-6 CAPLUS Benzeneacetamide, N- $\{1-cyano-2-(3,5-dimethyl)phenoxy\}-1-methylethyl\}-2-methyl- (CA INDEX NAME)$

247198-48-7 CAPLUS Benzeneacetamide, N-[1-cyano-2-(3,5-dimethylphenoxy)-1-methylethyl]-3-methyl (CA NDEX NAME)

ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

247198-58-9 CAPLUS
Benzeneacetamide, N-[1-[(4-chlorophenoxy)methyl]-1-cyanopropyl]-4-methoxy
(CA | NNDEX | NAME)

247198-59-0 CAPLUS
Benzeneacetamide, N-[1-[(4-chlorophenoxy)methyl]-1-cyanobutyl]-4-methoxy-(CA INDEX NAME)

247198-60-3 CAPLUS
Benzeneacetemide, N-[1-[(4-chlorophenoxy)methyl]-1-cyano-2-methylpropyl]-4methoxy (CA INDEX MAME)

247198-61-4 CAPLUS Benzeneacetamide, N-[2-(4-chlorophenoxy)-1-cyano-1-cyclopropylethyl]-4-methoxy- (CA INDEX MAME)

ANSWER 46 0F 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 247198-49-8 CAPLUS Benzeneacetamide, N-(1-cyano-2-(3,5-dimethylphenoxy)-1-methylethyl]-4-methyl- (CA INDEX NAME)

247198-50-1 CAPLUS
Benzeneacetamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-3-(trifluoromethyl)- (CA INDEX NAME)

247198-51-2 CAPLUS
Benzeneacetamide, N-[1-cyano-2-(3,5-dimethylphenoxy)-1-methylethyl]-4-methoxy- (CA INDEX NAME)

$$\begin{array}{c} \text{Mc} \\ \text{Ne} \\ \text{O-CH2-} \\ \text{N} \\ \text{N} \\ \text{O} \\ \text{CH2-} \\ \text{CH2-} \\ \text{OMe} \\$$

247198-52-3 CAPLUS Benzeneacetamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-4-methoxy-(CA INDEX NAME)

247198-57-8 CAPLUS
Benzeneacetamide, N-[5-(4-chlorophenoxy)-1-cyano-1-methylpentyl]-4-methoxy-(CA INDEX NAUE)

ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 247198-62-5 CAPLUS Benzeneacetamide, N-[1-[(4-chlorophenoxy)methyl]-1-cyano-2, 2-dimethylpropyl]-4-methoxy- (CA INDEX NAME)

247198-64-7 CAPLUS Benzeneacetamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-4-(heptafluoropropyl)- (9C1) (CA INDEX NAME)

$$\bigcap_{C1} O-CH_2 - \bigvee_{N} O-CH_2 - \bigvee_{C1} O-CH_2 - \bigvee_{C1} O-CH_2 - \bigvee_{C1} O-CH_2 - \bigvee_{C2} O-CF_2 - CF_3 - CF_$$

247198-65-8 CAPLUS Benzeneacetamide, N-[2-(2-chlorophenoxy)-1-cyano-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

247198-66-9 CAPLUS Benzeneacetmaide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

247198-67-0 CAPLUS
Benzeneacetamide, N-[1-cyano-2-(4-fluorophenoxy)-1-mothylothyl]-4-(trifluoromathyl)- (CA INDEX NAME)

247198-68-1 CAPLUS
Benzeneacetamide, N-[1-cyano-2-(4-iodophenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

247198-69-2 CAPLUS
Benzeneacetamide, N-[1-cyano-2-(2,4-dichlorophenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

247198-70-5 CAPLUS
Benzeneacetamide, N-[1-cyano-2-(2,4-difluorophenoxy)-1-methylethyl]-4(trifluoromethyl)- (CA INDEX NAME)

247198-71-6 CAPLUS
Benzeneacetamide, N-[1-cyano-2-(2.6-difluorophenoxy)-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

$$\begin{array}{c} \begin{array}{c} \begin{array}{c} \text{Me} \\ \text{O} \\ \text{C-CH}_2 \\ \text{C-NH-C-CH}_2 \end{array} \end{array} \end{array}$$

247198-72-7 CAPLUS
Benzeneacetamide, N-[1-cyano-2-(4-iodo-2-methylphenoxy)-1-methylethyl]-4(trifluoromethyl)- (CA INDEX NAME)

$$\begin{array}{c|c} & \text{Me} & \text{O} & \text{CH}_2 \\ \hline & \text{O} - \text{CH}_2 - \begin{bmatrix} \text{N} & \text{C} & \text{CH}_2 \\ \text{N} & \text{C} & \text{CH}_2 \end{bmatrix} \end{array} \\ \begin{array}{c} \text{CF}_3 \\ \end{array}$$

ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 247198-78-3 CAPLUS Benzeneacetamide, N-[1-cyano-2-[4-[(heptafluoropropy])thio]phenoxy]-1-methylethyl]-4-(trifluoromethyl)- (9C1) (CA INDEX NAME)

247198-79-4 CAPLUS
Benzeneacetamide, N-[1-cyano-2-[4-[(heptafluoropropy1) sulfony1]phenoxy]-1methylethy]-4-[trifluoromethyl)- (9CI) (CA INDEX NAME)

247198-80-7 CAPLUS
Benzeneacetamide, N-[1-cyano-i-methyl-2-[4-[(tridecafluorohexyl)thio]pheno
xylethyl]-4-(trifluoromethyl)- (9Cl) (CA INDEX NAME)

247198-81-8 CAPLUS
Benzeneacetamida, N-[1-cyano-1-methyl-2-[4-[(iridacafluorohexyl)aulfonyl]phenoxylethyl]-4-(irifluoromethyl)- (GA INDEX NAME)

247198-82-9 CAPLUS
Benzoic acid, 4-[2-cyano-2-[[[4-(trifluoromethyl)phenyl]mcetyl]amino]propo
xyl-, muthyl mster (9C1) (CA INDEX NAME)

ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) 247198-73-8 CAPLUS Benzeneacetamide, N-[1-cyano-1-methy]-2-[4-(trifluoromethyl)phenoxy]ethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

$$\begin{array}{c|c} F_3C & & \\ \hline & O-CH_2- \\ \hline & N \\ & N \end{array}$$

247198-74-9 CAPLUS Benzeneacelamide, N-[1-cyano-1-methy]-2-[4-(peniaf]uoroethyl]phenoxy]ethyl]-4-(trifluoromethyl)- (961) (CA INDEX NAME)

247198-75-0 CAPLUS
Benzeneacetamide, N-[1-cyano-2-[4-(heptafluoropropy1)phenoxy]-1methylethyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

247198-76-1 CAPLUS
Benzeneacetamide, N-[1-cyano-1-methyl-2-(4-phenoxyphenoxy)ethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

247198-77-2 CAPLUS
Benzeneacetamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethoxy)phenoxy]ethyl
j-4-(trifluoromethyl)- (CA INDEX NAME)

L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

247198-83-0 CAPLUS
Benzeneacetamide, N-[1-cyano-2-[4-[(3,3-dichloro-2-propenyl)]sulfonyl]phenoxyl-1-methylethyl]-4-(trifluoromethyl)- (9CI) (CAINDEX KAME)

$$c_{12}c = c_{H-CH_2} - \bigcup_{0-c_{H_2}-c_{-NH}-c_{-CH_2}}^{Ne} \bigcup_{0-c_{H_2}-c_{-NH}-c_{-CH_2}}^{O-c_{H_2}-c_{-NH}-c_{-CH_2}} CF_3$$

247198-84-1 CAPLUS

BenzeneaceLamide, N-[1-cyano-2-[4-(3,3-dimethyl-1-butynyl)phenoxy]-1methylethyl-4-(irifluoromethyl)- (GA INDEX NAME)

247198-85-2 CAPLUS
Benzeneacetumide, N-[1-cyano-1-methyl-2-[4-(phenylethynyl)phenoxy]ethyl]-4(trifluoromethyl)- (9C1) (CA INDEX NAME)

247198-86-3 CAPLUS
Renzeneacetamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-4(pentafluoroethyl)- (9C1) (CA INDEX NAME)

247198-87-4 CAPLUS
Benzeneacetamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-4-(pentafluoroethyl)- (9CI) (CA INDEX NAME)

RN 247198-88-5 CAPLUS
CN Benzeneactamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]4-(heptfluoroproyl)- (9Cl) (CA INDEX NAME)

RN 247198-89-6 CAPLUS CN Benzeneacctanide, N-[1-cyano-2-(4-fluorophenoxy)-1-methylethyl]-4-nitro-(CA INDEX NAME)

RN 247198-90-9 CAPLUS : :
CN [1,1'-Biphenyl]-4-acctamide, N-[2-(4-ch]orophenoxy)-1-cyano-1-methylothyl](CA INDE NAME)

RN 247198-91-0 CAPLUS
CN Benzeneacetamide, 2,4-dichloro-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]- (CA INDEX NAME)
:

RN 247198-92-1 CAPLUS
CN Benzeneacetamide, 2, 4-dichloro-N-[2-(4-chlorophenoxy)-1-cyano-1-

L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 247198-97-6 CAPLUS
CN Benzeneacetamide, N-[1-cyano-2-(4-fluorophenoxy)-1-methylethyl]-3, 4-difluoro- (CA INDEX NAME)

$$\begin{picture}(20,0) \put(0,0){\line(1,0){100}} \put(0,0){\line(1,0){100$$

RN 247198-98-7 CAPLUS
CN Benzeneacetamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]3.4-difluoro- (CA INDEX NAME)

$$\begin{array}{c|c} F_3C & & M_e & 0 & F \\ \hline & O-CH_2-C-NH-C-CH_2 & F \\ \hline & N & \end{array}$$

RN 247198-99-8 CAPLUS
CN Benzenecetamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]3,5-bia(trifluoromethyl)- (CA INDEX NAME)

$$\begin{picture}(20,0) \put(0,0){\line(1,0){100}} \put(0,0){\line(1,0){100$$

RN 247199-00-4 CAPLUS CN Benzenencel maide. N-[2-(4-chlorophenoxy)-1-cyano-1-methylathyl]-2, 4-dimethyl (CA 1MDEN MAME)

$$\begin{array}{c} \text{No} & \text{O} \\ \text{C1} & \text{CH2} \\ \text{CN} & \text{NI} \\ \text{C} & \text{NI} \end{array}$$

L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
methylethyl]—u-methoxy— (CA INDEX NAME)

RN 247198-93-2 CAPLUS
CN Benzeneacetamide, 2, 4-dichloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

RN 247198-94-3 CAPLUS
CN Benzeneacetamide, 2,6-dichloro-N-[2-(4-chlorophenoxy)-1-cyano-1methyl- (CA INDEX NAME)

N 247198-95-4 CAPLUS

Benzeneacetamide, N-[2-(4-chlorophenoxy)-1-cyano-1-aethylethyl]-2.6-difluoro- (CA 100EX NAME)

RN 247198-96-5 CAPLUS
CN Benzeneacetamide, N-[1-cyano-1-mathyl-2-[4-(trifluoromethyl)phenoxy]ethyl]2.6-difluoro- (CA INDEX NAME)

L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
RN 247199-01-5 CAPLUS
CN Benzenecataside, N-[1-cyano-2-(4-fluorophenoxy)-1-methylethyl]-2, 3, 4, 5, 6pentafluoro- (CA INDEX MAME)

$$\begin{array}{c|c} F & Me & 0 & F \\ \hline & O-CH2-C-NH-C-CH2 & F \\ \hline & N & C-CH2 & F \\ \end{array}$$

RN 247199-02-6 CAPLUS
CN 2-Pyridineacclamide, N-[1-cyano-1-methyl-2-[4-(1) uronomethyl) phenoxy[ethyl]-5-(trifluoromethyl)- (CA INDEX NAME)

RN 247199-03-7 CAPLUS
CN 2-Pyridineacetamide, 3-chloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)b-moxy]ethyl]-5-(trifluoromethyl)- (CA INDEX NAME)

RN 247199-04-8 CAPLUS
CN 2-Nephthaleneacetamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl](CA INDEX NAME)

RN 247199-05-9 CAPLUS
CN Benzeneactaide, N-{2-[(4-chlorophenyl)methoxy]-1-cyano-1-methylethyl]-4(trifluoromethyl)- (CA INDEX NAME)

RN 247199-06-0 CAPLUS

- L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 CN Benzeneacolamide, 4-chloro-N-[2-[(4-chlorophenyl)methoxy]-1-cyano-1-methylethyl]- (CA INDEX NAME)
- RN 247199-09-3 CAPLUS
 CN Benzenecetamide, N-[i-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]4-(trifluoromethyx)- (CA NNEX NAME)
- F₃C Ne 0 0-CH₂ C-CH₂ O-CF₃
- RN 247199-10-6 CAPLUS
 CN Benzeneacetemide, 4-chloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-2-fluoro- (CA INDEX NAME)
- 0-CH2-C-NH-C-CH2-C1
- RN 247199-11-7 CAPLUS
 CN Benzeneacetamide, 2-chloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)]phenoxy|ethyl]-4-fluoro- (CA INDEX NAME)
- RN 247199-12-8 CAPLUS
 CN Benzeneacetamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]2, 4-difluoro- (CA INDEX NAME)
- L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

- RN 247199-17-3 CAPLUS
 CN 2-Propensmide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-3-(4-chlorophenyl)- (CA INDEX NAME)
- RN 247199-18-4 CAPLUS :
 CN 2-Propynamide, 3-(4-chlorophenyl)-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)
- RN 247199-19-5 CAPLUS CN Benzumide, 4-chloro-N-(1-cyano-1-methyl-2-phenoxyethyl)- (CA INDEX NAME)
- O Me IL C-NH-C-CH2-OPh EN
- RN 247199-20-8 CAPLUS
 CN Benzamide, N-[1-eyano-1-methyl-2-[4-(trifluoromethyl)phenoxylethyl]-4(trifluoromethyl)- (CA INDEX NAME)
- $\begin{array}{c|c} F_{3C} & & \text{Mo} & 0 \\ \hline & 0 CH_2 \begin{matrix} I_{C} & NIII \begin{matrix} I_{C} & I_{C} \\ I_{C} & I_{C} \end{matrix} \\ N \end{array}$
- RN 247199-21-9 CAPLUS
 CN Benzamide, N-[1-cyane-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-3-(trifluoromethyl)- (CA INDEX MAME)

RN 247199-13-9 CAPLUS
CN Benzeneacetamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-4(phenylethynyl)- (9cl) (CA INDEX NAME)

- RN 247199-14-0 CAPLUS
 CN 2-Propensmide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-3-phenyl(CA INDEX NAME)
- $\begin{array}{c} 0 \\ \text{NI-C-CH} = \text{CH-PF} \\ \\ 0 \text{CH}_2 \\ \\ \text{N} \end{array}$
- RN 247199-15-1 CAPLUS
 CN 2-Propynamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-3-phenyl(CA INDEX NAME)
- NH-C-CEE C-Ph
- RN 247199-16-2 CAPLUS
 CN 2-Propynamide. N-[1-cyano-1-methy]-2-[4-(trifluoromethoxy)phenoxy]ethyl]-3-phenyl- (CA INDEX NAME)
- L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

- RN 247199-22-0 CAPLUS CN Benzamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-2-(trifluoromethyl)- (CA INDEX NAME)
- RN 247199-23-1 CAPLUS
 CN Renzamide, N-[1-[(4-ch]orophenoxy)methyl]-1-cyanopropyl]-4(trifluoromethyl)- (CA INDEX NAME)
- $\begin{array}{c|c} C1 & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ &$
- RN 247199-24-2 CAPLUS CN Benzamide, N-[2-(4-chlorophenoxy)-1-cyanoethyl]-4-(trifluoromethyl)- (CA INDEX NAME)
- F3C CN CN C1
- RN 247199-25-3 CAPLUS
 CN Bonzamide, N-[1-[(4-chlorophenoxy)methyl]-1-cyano-2, 2-dimethylpropyl]-4(trifluoromethyl)- (CA INDEX NAME)
- 0-CH2-C-NH-C-CF3
- RN 247199-27-5 CAPLUS
 CN Benzamide, N-[5-(2-chlorophenoxy)-1-cyano-1-methylpeniyl]-4(trifluoromathyl)- (CA INDEX NAME)

ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

247199-28-6 CAPLUS
Benzamide, 4-chloro-N-[1-cyano-2-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]-1-methyle1hyl}- (9CI) (CA INDEX NAME)

247199-29-7 CAPLUS
Benzamide, N-[[-cyano-2-[4-(3,3-dimethyl-1-butynyl)phenoxy]-1-methylethyl]4-(trifluoromethyl)- (SCI) (CA INDEX NAME)

247199-30-0 CAPLUS
Benzamide, N-[1-cyano-1-methyl-2-[4-(phenylethynyl)phenoxy]ethyl]-4(trifluoromethyl)- (9Cl) (CA INDEX NAME)

247199-31-1 CAPLUS
Benzamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl]-3,5-dimethyl(CA INDEX NAME)

247199-32-2 CAPLUS

ANSTER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN 247199-38-8 CAPLUS EBEREARIGE, N-[L-vyano-l-methyl-2-[4-(trif)uoromethy (CA INDEX NAME) no-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-4-iodo-

247199-39-9 CAPLUS Benzamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-4-nitro- (CA INDEX NAME)

$$\begin{array}{c|c} F_3C & & Me & 0 \\ \hline & 0-CH2- \begin{matrix} & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ \end{array}$$

247199-40-2 CAPLUS
Benzamide, N-[1-cyano-1-methy]-2-[4-(trifluoromethyl)phenoxy]ethyl]-4(pentafluorocthyl)- (9C1) (CA INDEX NAME)

$$\begin{array}{c|c} F_3C & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & &$$

247199-41-3 CAPLUS
Bentamide, N-[1-cyano-1-meethyl-2-[4-(trifluoromethoxy)phenoxy]ethyl]-4(trifluoromethyl)- (CA INDEX NAME)

247199-42-4 CAPLUS Benzamide, N-[1-cyano-1-mathyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-4-methoxy- (CA INDEX NAME)

$$F_3C \underbrace{\hspace{1cm} M_c}_{O-CH_2- \underbrace{\hspace{1cm} N_H-}_{CN}} \underbrace{\hspace{1cm} OMc}_{O-NH-}$$

247199-43-5 CAPLUS
Benzamide. 4-cyano-N-[1-cyano-1-methy1-2-[4-(trifluoromethy1)phenoxy]ethy1
]- (CA INDEX NAME)

ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) Benzamide, N-[2-[(4-chloropheny1)methoxy]-1-cyano-1-methylethyl]-4-(trifluoromethyl)- (CA INDEX NAME)

247199-33-3 CAPLUS
Benzamide, N-[1-cyano-1-methy]-2-[4-(trifluoromethyl)phenoxy]ethyl]-4(trifluoromethoxy)- (CA INDEX NAME)

247199-34-4 CAPLUS Benzamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-3-(trifluoromethoxy) (CA INDEX NAME)

247199-36-6 CAPLUS
Benzamido, N-[1-cyano-1-methy]-2-[4-(trifluoromethy])phenoxy]ethyl]-4-fluoro-(CA INDEX NAME)

247199-37-7 CAPLUS
Benzamide, 2, 4-dichloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

$$\begin{array}{c|c} F_3C & & Me & 0 & CN \\ \hline & O-CH_2- & C-NH-C & CN \\ \hline & CN & CN & CN \\ \end{array}$$

247199-44-6 CAPLUS Benzamide, 2,6-dichloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

247199-45-7 CAPLUS Benzamide, 3,5-dichloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

247199-46-8 CAPLUS Benzamide, 2-chloron-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phonoxy]ethy 1]- (CA INDEX NAME)

247199-47-9 CAPLUS
Benzamide, 3-chloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethy
1]- (CA INDEX NAME)

247199-48-0 CAPLUS Benzamide, 4-chloro-N-[1-cyano-1-methyl-2-[4-(trif]uoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

247199-49-1 CAPLUS
Benzamide, 2-chloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethy
]]-4-nitro- (CA INDEX NAME)

247199-50-4 CAPLUS
Benzamide, N-[]-eyano-1-methy1-2-[4-(1rif]uoromethy1)phenoxy]ethy1]-3methoxy- (CA INDEX NAME)

247199-51-5 CAPLUS Benzamide, 3, 4-dichloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxylethyl]- (CA INDEX NAME)

$$\begin{array}{c|c} F_3C & & & C1 \\ \hline & O-CH_2- \begin{matrix} Ne & & & \\ C-NH- \end{matrix} \\ \begin{matrix} C \\ C \end{matrix} \\ \end{array}$$

247199-52-6 CAPLUS
Benzamide, 2-chloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethy
1]-4-[100-0 (CA INDEX NAME)

ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

247199-59-3 CAPLUS
Benzamide, N-[1-cyano-1-methy]-2-[4-(trif]uoromethyl)phenoxy]ethyl]-2-methoxy- (CA INDEX NAME)

247199-60-6 CAPLUS : Benzamide, N-[1-cyano-1-methy]-2-[4-(trif]uoromethyl)phenoxy]ethyl]-2, 4-difluoromethyl)phenoxy]ethyl]-2, 4-difluoromethyl]ethyl]-2, 4-difluoromethyl]ethylloorome

247199-61-7 CAPLUS
3-Pyridinecarboxamide, 5,6-dichloro-N-[2-(4-chlorophenoxy)-1-cyano-1-methylethyl- (CA INDEX NAME)

247199-62-8 CAPLUS
3-Pyridinecarboxamide, 5,6-dichloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

247199-63-9 CAPLUS
3-Pyridinecarboxamide, 2-chloro-N-[1-cyano-1-methyl-2-[4-(1rifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN 247199-54-8 CAPLUS Benzamida, 2,5-dichloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl)- (CA INDEX NAME)

247199-55-9 CAPLUS
Benzamide, N-[1-cyano-1-methy]-2-[4-(trifluoromethy])phenoxy]ethy]-4[(trifluoromethy])thio]- (CA INDEX MAME)

247199-56-0 CAPLUS
Benzamide, N-[1-cyano-1-methy]-2-[4-(trifluoromethyl)phenoxy]ethyl]-2methyl- (CA INDEX MAME)

247199-57-1 CAPLUS Benzamide, N-[1-cyano-1-methy]-2-[4-(trifluoromethy1)phenoxy]ethy1]-3-methy1- (CA INDEX NAME)

247199-58-2 CAPLUS
Benzamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-4methyl- (CA INDEX NAME)

L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

247199-64-0 CAPLUS
3-Pyridinecarboxamide, 6-chloro-N-[1-cyano-1-methyl-2-[4-(1rifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

247199-65-1 CAPLUS
2-Naphthalenecarboxamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

247199-66-2 CAPLUS
Benzoic acid, 4-[[[1-cyano-1-methy]-2-[4-(trifluoromethy])phenoxy]ethyl]am
ino[carbonyl]-, methyl ester (CA INDEX NAME)

247199-67-3 CAPLUS
3-Pyridinecarboxamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

247199-68-4 CAPLUS
3-Pyridinecarboxamide, 2-chloro-N-[1-cyano-1-methy]-2-[4-(trifluoromethyl)phenoxy]ethyl]-6-methyl- (CA INDEX NAME)

RN 247199-69-5 CAPLUS
CN 4-Pyridinecarboxamide, 2,6-dichloro-N-[1-cyano-1-methy]-2-[4-(trifluoromethy])phenoxy]ethy]- (CA INDEX NAME)

RN 247199-70-8 CAPLUS
CN Benzemide, N-[1-cyano-1-methyl-2-[4-(trif]uoromethyl)phenoxy]ethyl]-4-(1,1-dimethyl)tehyl)- (CA INDEX NAME)

$$\begin{array}{c|c} F_{3C} & & & 0 \\ \hline & O - CH_2 - \overset{Me}{ \overset{}{ \overset{}{ \overset{}{ \overset{}{ \overset{}{ \overset{}}{ \overset{}{ \overset{}}{ \overset{}}{ \overset{}{ \overset{}}{ \overset{}{ \overset{}}{ \overset$$

RN 247199-71-9 CAPLUS
CN Benzamide, 4-butyl-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl
- (CA INDEX MAME)

$$\begin{array}{c|c} F_3C & & Me & 0 \\ \hline & O-CH_2- \\ \hline & CN \\ \end{array}$$

RN 247199-72-0 CAPLUS
CN Benzamide, N-[1-cyano-1-methy]-2-[4-(trifluoromethy])phenoxy]ethyl]-4(dimethylamino) (CA INDEX MAME)

RN 247199-73-1 CAPLUS CN Benzamide, 4-cyano-N-[1-cyano-2, 2-dimethyl-1-[[4-

L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 247199-78-6 CAPLUS
CN Benzanide, 4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]-N-[1-cyano-1-methyl]-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

RN 247199-79-7 CAPLUS
CN Benzamide, 2,4-dichloro-N-[1-cyano-2,2-dimethyl-1-[[4-(trifluoromethyl)phenoxy]methyl]propyl]- (CA INDEX NAME)

RN 247199-80-0 CAPLUS
CN Benzamide, 2, 4-dichloro-N-[1-cyano-2-methyl-1-[[4-(trifluoromethyl)phenoxy]methyl]propyl]- (CA INDEX NAME)

RN 247199-81-1 CAPLUS
CN Benzamida, 4-cyano-N-[1-cyano-2-maihyl-1-[[4-(trifluoromethyl)phenoxy]math
yl]propyl]- (CA INDEX NAME)

RN 247199-85-5 CAPLUS CN 2-Pyridinecarboxamide, N-[1-cyano-1-methyl-2-[4L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) (trifluoromethyl)phenoxy]methyl]propyl]- (CA INDEX NAME)

RN 247199-74-2 CAPLUS

A-Pyridinecarboxanida, N-[i-cyano-1-methyl-2-[4-(trifluorenthyl)phenoxy]ethyl]-2-[(difluorenthyl)thio]- (CA INDEX NAME)

RN 247199-75-3 CAPLUS
CN 3-Pyridinecarboxamido, N-[1-cyano-1-methy)-2-[4-(trifluoromethy)]phenoxy]ethyl]-6-(difluoromethy)- (CA INDEX NAME)

$$\begin{picture}(20,0) \put(0,0){\line(1,0){100}} \put(0,0){\line(1,0){100$$

RN 247199-77-5 CAPLUS
CN Benzamide. N-[1-cyano-1-methy]-2-[4-(trifluoromethy])phenoxy]sthyl]-4[(trifluoromethy])maino]- (9Cl) (CA INDEX NAME)

L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (trifluoromethy)) phenoxy]ethyl]- (CA INDEX NAME)

RN 247199-86-6 CAPLUS
CN 3-Pyridinecarboxamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-2-(methylthio)- (CA INDEX NAME)

RN 247199-87-7 CAPLUS
CN 3-Pyridinccarboxamide, N-[1-cyano-1-methy]-2-[4-(trifluoromethyl)henoxylethyl]-2-(methylsulfonyl)- (CA INDEX NAME)

RN 247199-88-8 CAPLUS
CN 2-Pyridinecarboxnmide, 3,5-dichloro-N-[1-cyano-1-methy]-2-[4-(trifluoromethy])phenoxy]ethy]- (CA INDEX NAME)

RN 247199-89-9 CAPLUS
CN 2-Pyridinocarboxamide, 3-chloro-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)]- (CA INDEX NAME)

RN 247199-90-2 CAPLUS
CN Benzamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]athyl]-4-

ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN [[(trifluoromethyl)sulfonyl]amino]- (CA INDEX NAME)

247199-92-4 CAPLUS
Benzamide, N-[1-cyano-1-methy]-2-[4-(trif]uoromethyl)phenoxy]ethyl]-4-[(trif]uoromethyl)sulfonyl]- (CA INDEX NAME)

$$\begin{array}{c|c} F_3C & & & \\ & & & \\ \hline & 0-CH_2- & \\ & & \\ & & \\ \end{array}$$

247199-93-5 CAPLUS
1-Naphthalenecarboxamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

- 247199-94-6 CAPLUS
 Benzamide, N-[1-cyano-1-methy]-2-[4-(trifluoromethyl)phenoxy]ethyl]-4(propylthio)- (CA INDEX NAME)
- L4 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

ANSWER 46 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

247199-95-7 CAPLUS
Benzamide, N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]-4[(pentafluoroethyl)thio]- (9C1) (CA INDEX NAME)

24720i-37-2 CAPLUS
Benzamide, 4-(acetyloxy)-N-[1-cyano-1-methyl-2-[4-(trifluoromethyl)phenoxy]ethyl]- (CA INDEX NAME)

$$\begin{array}{c|c} F_3C & & Me & 0 \\ \hline & 0-CH_2- \begin{matrix} Me & 0 \\ \hline CN \end{matrix} & CN \\ \end{array}$$

- 247199-97-9P 247199-98-0P RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent) (preparation of aroylaminoacetonitriles as agricultural and horticultural
- insections)

 247199-97-9 CAPUS

 Propanentirile, 2-amino-3-(4-chlorophenoxy)-2-methyl- (CA INDEX NAME)

247199-98-0 CAPLUS Propanenitrile, 3-(4-chlorophenoxy)-2-(ethylamino)-2-methyl- (CA INDEX NAME)

1999: 3595V2 Units
131:257869 synthesis of oligoures peptidomimetics
Solid-phase synthesis of oligoures peptidomimetics
Bool Mediania Chemistry, Utrecht Institute
Pharmaceutical Sciences, "Utrecht Univ., Utrecht, 3508
TB, Neth.
European Journal of Organic Chemistry (1999), (9),
2127-2135
CODEN: EJOCFK: ISSN: 1434-193X
Wiley-VGI Verlag GabH
Journal
English
CASREACT 131:257869

SOURCE:

PUBLISHER: DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): ABSTRACT:

ABSTRACT: A procedure for the solid-phase synthesis of oligoures peptidomimetics starting from Boc-protected monomers is described. The compds, are prepared on lentagel resin and are obtained selectively either as the C-terminal free acids with UV irradiation using a photocleavable linker or as C-terminal hydantoins with 10% TEA/MeON and a catalytic amount of KCN.

Absolute stereochemistry. Rotation (-),

IT 244778-26-5P
RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent)
(solid-phase synthesis of oligoures peptidominetics)
RN 244778-26-5 CAPLUS
CN Carbanic acid, [(IR)-1-cyano-2-(phenylmethoxy)ethyl]-, 1,1-dimethylethylester (9C1) (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/518, 210 Page 86

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
DOCHMENT NUMBER:
130:322531
ITHE:
INVENTOR(S):
Altann, Every Control of Cysteine cathensins
Altann, Every Control of Cysteine Cathensins
Sakoki, junichi: Takai, Michihiro: Teno, Naoki: Cowen, Scott Douglas: Greenspan, Paul David: McGure, Leslie Wighton: Tommasi, Ruben Alberto: Van Duzer, John Henry Verwaltungsgesellschaft abH
PATENT ASSIGNEE(S):
SOURCE:
POCUMENT TYPE:
POCUMENT TYPE:
PATENT ASSIGNEE(S):
PATENT ASSIGNEE(S):
SOURCE:
PCT Int. Appl., 137 pp.
COOPEN: PIXXD2
Patent :

DOCUMENT TYPE:

Patent English

PATENT NO.			KIND)	DATE			APPL	ICAT	10N	NO.		1	DATE	
WO 9924460			A2					WO 1	998-	EP69	37			9981	103
WO 9924460			A3		1999	0902									
W: AL.	AN.	AT.	AU.	AZ.	BA,	BB.	BG,	BR.	BY.	CA,	CH,	CN,	CU,	CZ.	DE.
DK.	EE.	ES.	Fl.	GB.	GD,	GE.	GH,	GM,	HR.	HU,	ID,	IL,	18,	JP.	KE,
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US 20062352	20		A1		2006	1019		US 2	006-	3749	95			20060	315
PRIORITY APPLN.	INFO.	:						GB 1	997-	2340	7		٨	19971	105
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								US 1	997-	9859	73		٨	19971	205
								WO I	998-	€P69	37		W	19981	103
								US 1	998-	1862	23		81	19971 19981 19981 20000 20020 20030	104
								US 2	000-	6436	39		A1 :	20000	822
								US 2	002-	5459	0		B1	20020	122
								US 2	003-	3428	72		AI :	20030	1115
								US 2	003-	6946	72		BI:	20031	028
OTHER SOURCE(S):			MAR	PAT	130:	3525	53								
ADDITACI:															

ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
225121-10-8 CAPLUS
Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(diphenylacetyl)amino]-3-(3-methyl)penyl)-|-oxopropyl]amino]ethyl]thio]methyl]-, methyl ester (9CI)
(CA INDEX NAME)

Absolute stereochemistry.

225118-76-3P 225118-80-9P 225118-81-0P
225119-62-3P 225119-39-IP 225119-40-4P
225119-62-0P 225121-1-1P 225121-06-PP
225119-62-0P 225120-11-1P 225121-16-PP
225121-15-4P 225121-11-1P 225121-17-PP
225121-2P 225121-12-1P 225121-12-0P-PP
225121-3P 225121-3P 225121-3P-PP
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225121-3P 3P 225121-3P-PP 225121-39-PP
225121-3P 3P 225121-3P-PP 225121-39-PP
225121-3P 3P 225121-3P-PP 225121-3P-PP
225121-3P 3P 225121-3P 3P 225121-3P-PP
225121-3P 3P 225121-3P 3P 225121-3P-PP
225121-3P 3P 22512

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
N-terminal substituted dipeptide nitriles R(L)xXINMCRZRGC(:Y)XHCR4RSCN [R is optionally substituted aryl, alky], alkenyl, alkynyl, heterocyclyl; R2, R3 = H, optionally substituted alkyl, cyclonlkyl, bicyclonlkyl, bicyclonlkyl, bicyclonlkyl, bicyclonlkyl, bicyclonlkyls 182 and R3 together represent alkylene, optionally interrupted by 0, S, or XR6, where R6 is H, alkyl, arylalkyl; or R2 or R3 are linked by alkylene to the adjacent nitrogen to fora a ring; R4, R5 = H, optionally substituted alkyl, arylalkyl, cyclonlkyl, bicyclonlkyl, arylalkyl, cyclonlkyl, arylalkyl, cyclonlkyl, bicyclonlkyl, or heterocyclyl and R8 is H or optionally substituted alkyl, explayl, cyclonlkyl, bicyclonlkyl, cyclonlkyl, bicyclonlkyl, bicyclonlkyl, bicyclonlkyl, cyclonlkyl, cyclonlkyl, bicyclonlkyl, bicyclonlkyl, cyclonlkyl, bicyclonlkyl, cyclonlkyl, cyclonlkyl, bicyclonlkyl, cyclonlkyl, bicyclonlkyl, cyclonlkyl, cyclonlkyl, bicyclonlkyl, cyclonlkyl, cyclonlkyl, cyclonlkyl, bicyclonlkyl, cyclonlkyl, cyclonlkyl, bicyclonlkyl, cyclonlkyl, cyclonlkyl,

IT 225121-05-1P 225121-08-4P 225121-10-8P
RL: BRC (Biological activity or effector, except adverse): BSU (Biological study, unclassified): RCT (Reactant): SPN (Synthetic preparation): THU (Therapeutic use): BIOL (Biological study): PREP (Preparation): RACT (Reactant or reagent): USES (USes)
(synthesis of dipeptide nitriles as inhibitors of cysteine cathepsias)
RN 225121-05-1 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[(2S)-2-[(diphenylacetyl)amino]-3-(3-methylphenyl)-1-oxopropyl]maino]ethoxy]methyl]-, methyl ester (9C1) (CA INDEX NAME)

Absolute stereochemistry.

225121-08-4 CAPLUS
Benzoic acid, 3-[3-cyano-3-[[(2S)-2-[(diphenylacetyl)amino]-3-(3-methylphenyl)-1-oxopropyl]amino]propoxy]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN Absolute stereochemistry.

225118-80-9 CAPLUS
1H-Indole-2-carboxamide, N-[1-[[[(1R)-1-cyano-2-(phenylmethoxy)ethyl]amino]carbonyl]cyclohexyl]- (CA INDEX NAME)

225118-81-0 CAPLUS
Pyrrolo[1,2-c]pyrimidina-5-carboxamida, N-[1-[[[(1R)-1-cyano-2-(phenylasi hoxy)aihyi]amino]carbonyi]cyelohaxyi]-i-phenyi- (CA INDEX NAME)

225118-92-3 CAPLUS Carbamic acid, [(S)-1-[{((IR)-1-cyano-2-(phenylmothoxy)cthyl]amino]carbon y]-3-methylbutyl]-, phenylmothyl eater (9Cl) (CA INDEX NAME)

RN 225119-39-1 CAPLUS
CN IH-Indole-2-carboxamide, N-[(1S)-1-[[(1R)-1-cyano-2(phenylmethoxy)ethyl]amino]carbonyl]-3-methylbutyl]- (9C1) (CA INDEX MAME)

Absolute stereochemistry

RN 225119-40-4 CAPLUS
CN 1H-Indole-2-carboxamide, N-[(1S)-1-[[[(1R)-1-cyano-2-(phenylmethoxy)ethyl]amino]carbonyl]-3-methylbutyl]-1-methyl- (9C1) (CA INDEX MAME)

Absolute stereochemistry.

RN 225119-41-5 CAPLUS
CN Benzamide, N-{1S}-1-{[[(1R)-1-cyano-2-(phenylmethoxy)ethyl]amino]carbonyl
]-3-methylbutyl]-4-(1,1-dimethylethoxy)- (CA INDEX AME)

Absolute stereochemistry

14 ANSTER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 225121-06-2 CAPLIS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(diphenylacety1)aminol-3-(3-mathylphenyl)-1-oxopropy1]aminolethoxy]methyl]- (9C1) (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-07-3 CAPLUS
CN Benzoic acid, 3-[(2R)-2-cyano-2-[(2S)-3-(3-methylphenyl)-2-[(4-morpholinylcarbonyl)amino]-1-oxopropyl]amino]ethoxy]methyl]-, 2-propenyl ester (9Cl) (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-11-9 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(diphenylacety1)amino]-3-(3-muthylphenyl)-1-oxopropyl]amino]nthyl]sulfinyl]methyl]- (9C1) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 225119-42-6 CAPLUS
CN [1,1'-Biphenyl]-4-carboxamide, N-[(1S)-1-[[[(1R)-1-cyano-2-(phenylmethoxy)ethyl]amino]carbonyl]-3-methylbutyl]- (CA INDEX NAME)

Absolute stereochemistry

RN 225119-61-9 CAPLUS
CN IH-Indole-3-acetamide, N-[(1S)-1-[[(1R)-1-cyano-2-(phenylmachoxy)ethyl]naino|carbonyl]-3-methylbutyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225119-62-0 CAPLUS
CN L-leucinamide, N-(5,6,7,8-tetrahydro-1-maphthalenyl)glycyl-N-[(1R)-1-cyano2-(phenylmethoxy)cthyl]- (9Cl) (CA INDEX NAME)

Absolute stereochemistry

RN 225120-41-2 CAPLUS
CN Benzenepropanaide, N-{(1R)-2-{[3-(aminocarbonyl)phenyl]methoxy}-1cyanothyl]-a-(benzoylamino)-3-methyl-, (a5)- (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued

RN 225121-14-2 CAPLUS

Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-2-[(4-morpholinylcarbonyl)amino]-1-oxopropyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-15-3 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[((2S)-2-[(3,4-dimethoxybenzoyl)amino]-3-(3-methylphenyl)-1-oxopropyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-16-4 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-[[(2S)-2-(acotylamino)-3-(3-mothylphenyl)-1-oxopropyllamino]-2-cyanoethoxylaminyl]- (CA INDEX NAME)

RN 225121-17-5 CAPLUS CN Benzoic acid, 3-[[(2R)-2-[[(2S)-2-(benzoylamino)-3-(3-methylphenyl)-1-oxoproyllamino]-2-cyanoethoxylmethyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-18-6 CAPLUS : CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methy)phenyl)-1-oxo-2-[[(2S)-phenyl-3-pyridinylacetyl]amino]propyl]amino]ethoxy]methyl]- (9Cl) (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-19-7 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2-[[(2R)-phenyl-3-pyridinylacetyl]amino]propyl]amino]ethoxy]methyl]- (9Cl) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 225121-23-3 CAPLUS

Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2-[(1-oxo-2-phenylpyl)]mino]propyl]minojpropylminojpr

Absolute stereochemistry.

RN 225121-24-4 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-maihylphanyl)-1-oxo-2-[(3-pyridinylacrbonyl)amino]rropyl]maino]ethoxylmaihyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-25-5 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[(2S)-3-(3-moihylphenyl)-1-oxo-2[(phenylsulfonyl)aminolprosyl]aminolcthoxylmaihyl)- (CA INDEX NAME)

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 225121-20-0 CAPLUS
CN Benzoic acid, 3-[(2R)-2-cyano-2-[[(2S)-2-[(di-3-pyridinylacetyl)amino]-3(3-methylphenyl)-1-oxopropyl]amino[ethoxy]methyl]- (SC1) (CA INDEX MAME)

Absolute stereochemistry.

RN 225121-21-1 CAPLUS
CN Benzoic acid, 3-[(2R)-2-cyano-2-[(2S)-2-{(4-methoxybenzoy1)amino}-3-(3-methyl)henyl)-1-oxorpoyy1]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-22-2 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(3-methoxybenzoy1)amino]-3-(3-methylphenyl)-1-oxopropyl]amino]ethoxy]methyl]- (CA INDEX NAME)
Absolute stereochemistry.

I.4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued

RN 225121-26-6 CAPLUS

Renzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-2-[[(4-methylphenyl)sulfonyl]amino]-1-oxopropyl]amino]ethoxy]methyl)- (CA [NDEX NAME)

Absolute stereochemistry

RN 225121-27-7 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[[4-(diacthylamino)benzoy]]amino]-3-(3-mathylphenyl)-1-oxopropyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-29-9 CAPLUS
CN Renzoic moid, 3-[[(2R)-2-cyano-2-[((2S)-3-(3-mothylphenyl)-1-oxo-2-[(4-pyridinylcarbonyl)maino]propyl]amino]ethoxylmathyl]-,
mono(trifluoroacatate) (9C1) (CA INDEX NAME)

CN

CRN 225121-28-8 CMF C27 H26 N4 05

RN 225121-30-2 CAPLUS
Benzoic acid, 3-[((2R)-2-cyano-2-[((2S)-3-(3-methylphenyl))-2-[(2-naphthalenylsulfonyl)amino]-1-oxopropyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

CRN 76-05-1 CMF C2 H F3 02

RN 225121-31-3 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-[[(2S)-2-[[(4-bromopheny)]sulfonyl]amino]-3-(3-methylphenyl)-1-oxopropy)lamino]-2-cyanocthoxylmethyl]- (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

Absolute stereochemistry.

RN 225121-36-8 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-[[(2S)-2-[[(3-chlorophenyl)sulfonyl]amino]-3-(3-mathylphenyl)-1-oxopropyl]amino]-2-cyanocthoxy]mathyl]- (CA INDEX NAME)

Absolute stereochemistry

RN 225121-37-9 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[1(3-fluorophenyl)aulionyl)amino]-3-(3-methylphonyl)-1-oxopropyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 225121-32-4 CAPLUS CN Benzole acid, 3-[(4R,7S)-4-cyano-7-[(3-methylphenyl)methyl]-9,9-dioxido-6oxo-2-oxa-9-thla-5,8-diazatridec-1-yl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-33-5 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-2-[[(2-methylphenyl) sulfonyl]amino]-1-oxopropyl]amino]ethoxylmethyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-34-6 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2-[[(4-propylphenyl)-ulfonyl]amino]ethoxy]methyl]- (CA INDEX NAME)
Absolute stereochemistry.

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 225121-38-0 CAPLUS

Rn Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[[(3,4-dichloropheny)]sulfony]]anino]-3-(3-methylphenyl)-1
oxopropyl]aninojethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-39-1 CAPLUS
CN Benzoic acid. 3-[(2R)-2-cyano-2-[(2S)-2-[[(3-(1-acthylethyl)phenyl]sulfonyl]nanio]-3-(3-methylothyl)-1-oxopropyl]amino]thoxy]methyl) (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-40-4 CAPIUS

Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2-[[[4-(1rifluoromethyl)phenyl]smino]propyl]amino]ethoxylmethyl)- (CA INDEX NAME)

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

225121-41-5 CAPLUS
Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-2-[[(3-methylphenyl) sulfonyl]amino]-1-oxopropyl]amino]ethoxy]methyl]- (CA INDEX NAME)

225121-42-6 CAPLIS
Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(5-isoxazolylcarbonyl)amino]-3-(3-methylphenyl)-i-oxopropyl)amino]ethoxylmethyl)- (CA INDEX NAME)

Absolute stereochemistry.

225121-43-7 CAPLUS
Benzoic acid, 3-[(CR)-2-cyano-2-[(CS)-3-(4-methoxyphenyl)-1-oxo-2-[(1-oxobutyl)maino]propyl]maino]ethoxylmethyl)- (CA INDEX NAME)

Absolute stereochemistry.

ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

225121-47-1 CAPLUS Benzoic acid, 3-1 (4R. 7S)-4-cyano-7-(3-isothiazolylmethyl)-6, 9-dioxo-10-phenyl-2, 11-dioxa-5, 8-diazadodec-1-yl)- (CA INDEX NAME)

Absolute stereochemistry.

 $\begin{array}{lll} 225121-48-2 & \text{CAPLUS} \\ \text{Behzoic acid, } 3-[\{(2R)-2-[\{(2S)-2-[\{(2-chlorobenzoy1)\,amino\}-3-(3-methylphenyl)-i-oxopropyl]amino}]-2-cyanoethoxy]methyl]- & (CA INDEX NAME) \\ \end{array}$

Absolute stereochemistry.

225121-49-3 CAPLUS
Benzolc acid. 3-[[(2R)-2-cyano-2-[[(2S)-2-[(cyclohexylcarbonyl)amino]-3-(3-acity]phonyl)-1-oxopropyl]amino]cthoxy]methyl)- (CA INDEX NAME)

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

225121-44-8 CAPLUS
Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(4-methoxyphenyl)-1-oxo-2[[(tetrahydro-2-furanyl)carbonyl]amino]propyl]amino]ethoxy]methyl][RDEX NAME] (CA

Absolute stereochemistry.

225121-45-9 CAPLUS
Benzoic acid, 3-[(2S)-2-cyano-2-[((2S)-1-oxo-2-[(1-oxobuty1)amino]-3-(3-pyridiny1)propy]]maino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

225121-46-0 CAPLUS
Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-1-oxo-3-(3-pyridinyl)-2[[(tetrahydro-2-furanyl)carbonyl]amino]propyl]amino]cthoxy]methyl]- (CA
INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

225121-50-6 CAPLUS
Benzoic acid, 3-f[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2-[(phenylacetyl)amino|propyl]maino|ethoxy]methyl]- (9C1) (CA INDEX NAME)

RN 225121-51-7 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(2-methylbenzoyl)amino]-3-(3-methylphenyl)-1-oxopropyl]umino]othoxylmethyl]- (CA INDEX NAME)

225121-52-8 CAPLUS Benzoic acid, 3-[(4R,7S)-4-cyano-7-[(3-mothylphenyl)methyl]-6,9-dioxo-2,10-dioxa-5,8-diozadodec-1-yl]- (CA INDEX NAME)

RN 225121-53-9 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2-[(2-thienylacetyl)amino]propyl]amino]ethoxylmethyl]- (9Cl) (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-54-0 CAPLUS : :
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(2-furanylcarbony])amino]-3-(3-methylphenyl)-1-oxopropyl]amino]ethoxylmethyl)- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-55-1 CAPLUS
CN Benzoic acid, 3-[[(2S)-2-[((2S)-2-[(4-chlorobenzoyl)amino]-3-(3-methylphenyl)-1-coyropyl]amino]-2-cyanoethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-66-2 CAPLUS CN Benzoic acid, 3-[[(2R)-2-[[(2S)-2-[[3,5-bis(trifluoromethyl)benzoyl]amino]-3-(3-methylphenyl)-1-oxopropyl]amino]-2-cyanoethoxy]methyl]- (CA INDEX NAME)

14 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 225121-60-8 CAPLIS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-2-[(3-nitrobenzy)]saino]-1-oxopropyl]saino]ethoxy]sethyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-61-9 CAPLUS
CN Benzoic ecid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-2-[[(5-nitro-2-furanyl)arhonyl]anino]-1-oxopropyl]maino]ethoxylmethyl (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-62-0 CAPLUS
CN Renzoic acid. 3-[[(2S)-2-[(d-bromobenzoyl) amino]-3-(3-methylphenyl)-1-oxopropyl) amino]-2-cyanoethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) Absolute stereochemistry.

$$\mathsf{F}_{3}\mathsf{C} \underbrace{\hspace{1cm} \mathsf{N}_{\mathsf{E}}}_{\mathsf{F}_{3}} \underbrace{\hspace{1cm} \mathsf{N}_{\mathsf{E}}}_{\mathsf{E}_{\mathsf{N}}} \underbrace{\hspace{1cm} \mathsf{Co}_{2}\mathsf{H}}_{\mathsf{E}}$$

RN 225121-57-3 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2[(phenoxycarbonyl) maino]propyl]amino]ethoxy]methyl)- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-58-4 CAPLUS
CN Benzoic acid, 3-{(4R,7S)-4-cyano-7-{(3-methylphonyl)methyl}-9,9-dioxido-6oxo-2-oxa-9-thia-5,8-diazadec-1-y1]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-59-5 CAPLUS
CN Benzoic acid, 3-[(2R)-2-cyano-2-[(2S)-3-(3-methylphenyl)-1-oxo-2-[(1-oxobutyl)amino]propyl]amino]ethoxylmethyl]- (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued

RN 225121-63-1 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-1-oxo-2[[phenoxyacety]amino]propyl]amino]ethoxy]methyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry

RN 225121-64-2 CAPLUS
CN 2-Thiophenecarboxylic acid, 5-[[[(1S)-2-[{(1R)-2-[(3-carboxyhenyl)amthoxyl-1-cyanocthyl]amino]-1-[(3-methyl)henyl)aethyl]-2-oxocthyl]amino]sulfonyl]-, 2-methyl ester (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-65-3 CAPLUS
CN Renzoic acid, 3-[[(2R)-2-[(14-butylbenzoyl)amino]-3-(3-methylphenyl)-1-oxopropyllamino]-2-cyanoethoxylmethyl]- (CA INDEX NAME)

RN 225121-66-4 CAPLUS CN Benzoic acid. 3-[(4R,7S)-4-cyano-7-[(3-mathylphenyl)methyl]-6,9-dioxo-11-phenyl-2,10-dioxa-5,8-diazaundec-1-yl]- (CA INDEX NAME)

Absolute stereochemistry

RN 225121-67-5 CAPLUS :
CN Benzoic acid, 3-(4R,7S)-4-cyano-7-[(3-methylphenyl)methyl]-6,9-dioxo-2.11-dioxa-5,8-diazadodec-[-yl]- (CA INDEX RAME)

Absolute stereochemistry

RN 225121-68-6 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3-methylphenyl)-2-[(1-naphthalenylsulfonyl)amino]-1-oxopropyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 225121-72-2 CAPLUS
CN Benzoic acid, 3-[(4R,7S)-4-cyano-7-(1ll-indol-3-ylmethyl)-6, 9-dioxo-10-phenyl-2, 1l-dioxa-5, 8-dioxadodec-1-yl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-73-3 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(1-macthyl-1H-imidazol-4-yl)-1oxo-2-(1-oxobusyl) maino|propyl]maino|ethoxy|mathyl]- (CA | NNDEX NAME)

Absolute stereochemistry.

RN 225121-74-4 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(1-methyl-IH-imidnzol-4-yl)-1-oxo-2-[[(tetrahydro-2-furanyl)carbonyl]amino]propyl]amino]ethoxy]methyl]-(CA INDEX NAME) .

Absolute stereochemistry.

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 225121-69-7 CAPLUS
CN Benzoic acid, 3-[{(2R)-2-cyano-2-[{(2S)-3-(3-methylphenyl)-2-[{(2-nitrophenyl)sulfonyl]amino}-1-oxopropyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-70-0 CAPLUS
CN Benzoic acid. 3-[[(2R)-2-cyano-2-[[(2S)-3-(1H-indol-3-y])-1-oxo-2-[(1-oxobutyl)amino]propyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-71-1 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(1H-indo]-3-y1)-1-oxo-2[[(1ct-tanydro-2-furanyl)carbonyl]amino]propyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 225121-75-5 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[[(2-methoxyphenyl)acetyl]amino]-3-(1-methyl)-III-imidazol-4-yl)-1-oxopropyl)amino]ethoxylmethyl]- (9Cl) (CA INDEX RAME)

Absolute stereochemistry.

RN 225121-77-7 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-1-oxo-2-[[(tetrahydro-2-furany!)carbony])amino]-3-(4-thiazoly!)propy]]amino]ethoxy]methyl]-, mono(trifluoroacetate) (9C1) (CA INDEX NAME)

CM I

CRN 225121-76-6 CMF C22 H24 N4 O6 S

Absolute stereochemistry

CM 2

CRN 76-05-1 CMF C2 H F3 02

F-C-CO2H

RN 225121-78-8 CAPLUS
CN Benzoic acid. 3-[(4R.75)-4-cyano-6,9-dioxo-10-phenyl-7-(4-thiazolylaethyl)2,11-dioxa-5,8-diazoddec-1-yl]- (CA INDEX MAME)

L4 ANSWER 48 0F 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) Absolute stereochemistry.

RN 225121-79-9 CAPLIS

QN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-1-oxo-2-[(1-oxobutyl)amino]-3-(4-thiazolyl)pronyl]amino]thoxy]aethyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-80-2 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(5-methyl-2-furanyl)-1-oxo-2-[(3-pyridinylcarbonyl)asino]propyl]amino]ethoxylmethyl)- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-81-3 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-[[(2S)-2-[(1,3-benzodioxol-5-ylcarbonyl)amino]-3((5-methyl-2-furanyl)-1-oxopropyl)amino]-2-cyanocthoxy]methyl}- (CA INDEX MAME)

Absolute stereochemistry.

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 225121-85-7 CAPLUS : :
CN Benzole acid, 3-[[(2R)-2-[[(2S)-2-[(1,3-benzodioxol-5-ylcarbonyl)amino]-3cyclohexyl-1-oxopropyl]amino]-2-cyanoethoxylmethyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-86-8 CAPLUS
CN Benzoic acid, 3-{(1(2R)-2-cyano-2-[(2S)-3-cyclohexyl-1-oxo-2-{(2-quinoxyl)nylcarbonyl)naino|propyl)anino|ethoxylmethyl} (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-87-9 CAPLUS S-cyano-3-[[(2S)-2-[(diphenylacety1)amino]-3-(3-acty)hpenyl)-1-oxopropyl]amino]propoxyl- (9Ci) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 225121-82-4 CAPLUS
CN Benzoic acid. 3-[[(2R)-2-cyano-2-[[(2S)-3-(5-methyl-2-furanyl)-1-oxo-2-[(2-quinoxalinylcarbonyl)aaino|propyl]aaino|ethoxylmethyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-83-5 CAPLUS
CN Benzolc acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-cyclohexyl-2-[(5-isoxazolylcarbonyl)amino]-i-oxopropyl]amino]ethoxylmethyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-B4-6 CAPLUS

CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-cyclohexyl-1-oxo-2-[(3-pyridinylcarbonyl)amino]propyl]amino]ethoxy|methyl]- (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 225121-89-1 CAPLUS CN Benzoic acid, 3-[[[(2R)-2-cyano-2-[[(2S)-2-[(diphenylacety)])amino]-3-(3-methylphenyl)-1-excopropyl]amino]ethyl]thio]amino]-(CA INDEX NAME)

Absolute stereochemistry.

RN 225121-92-6 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-[[(2S)-2-[(benzo[b]thien-2-ylcarbonyl)amino]-3([III-indol-3-y])-i-oxopropyl]amino]-2-cyanoethoxylmothyl]- (CA INDEX NAME)

Absolute stereochemistry,

RN 225121-93-7 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(4-mathoxyphenyl)-2-[(4-acthylbenzoyl)amino]-1-oxopropyl]amino]othoxy]mathyl]- (CA INDEX NAME)

RN 225121-94-8 CAPLUS
CN Benzoic acid, 3-[[(2S)-2-[(4-chlorobenzoyl)amino]-3-(4-acitoxypheny)-1-oxopropyl]amino]-2-cyanocthoxylmcthyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-95-9 CAPLUS
CN Benzoic acid. 3-[[(2R)-2-cyano-2-[[(2S)-2-[(3,4-dichlorobenzoyl)amino]-3-(4-methoxyphenyl)-1-oxopropyl)amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-96-0 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-[((2S)-2-[(3-chlorobenzoyl)amino]-3-(4-methoxylphenyl)-1-oxopropyl]amino]-2-cyanoethoxylmethyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-97-1 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-[[(2S)-2-[(4-chlorobenzoy])amino]-3-cyclohexyl-1-oxopropyl]amino]-2-cyanoethoxy]methyl]- (CA INDEX NAME)

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 225122-01-0 CAPLIS CN Benzoic acid, 3-[[(2R)-2-[[(2S)-2-[(benzo[b]thien-2-ylcarbonyl)amino]-4,4-dimethyl-1-oxopentyl]amino]-2-vyanoethoxylmcthyl]- (CA INDEX TAME)

Absolute stereochemistry

RN 225122-02-1 CAPLUS

Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(3,4-dichlorobenzoyl)amino]-3-(5-methyl-2-furanyl)-1-oxopropyl]amino]clhoxyjmethyl]- (CA 1NDEX NAME)

Absolute stereochemistry.

RN 225122-03-2 CAPLUS
CN Benzoic acid, 3-[((2R)-2-cyano-2-[((2S)-3-cyclohexyl-2-[(4-nethylbanzyl)amino]-1-oxopropyl]amino]ethoxy]methyl]- (CA INDEX NAME)
Absolute stereochemistry.

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 225121-98-2 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(1H-indol-3-yl)-2-[(4-acity) benzoyl) anino]-1-oxopropyl]anino]cthoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225121-99-3 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-[[(2S)-2-[(4-chlorobenzoy])amino]-3-(1H-indol-3-yl)-1-oxopropyl]amino]-2-cyanoethoxy]aethyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225122-00-9 CAPLUS CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(3,4-dichlorobenzoyl)amino]-3-([H-indol-3-yl)-1-oxopropyl]amino]ethoxy]methyl]- (CA INDEX RAME)

Absolute stereochemistry.

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued

RN 225122-04-3 CAPLUS Benzoic acid, 3-[[(ZR)-2-cyano-2-[[(ZS)-2-[(3,4-dichlorobenzoyl)amino]-3-methyl-1-cvabutyl]amino]ethoxy]methyl]- (CA 1NDEX MAME)

Absolute stereochemistry

RN 225122-05-4 CAPLUS CN Benzoic acid, 3-[[(2R)-2-cyano-2-[((2S)-2-[(3,4-dichlorobenzoy))amino]-1-oxo-3-(2-thiony))propy)]mmino]ethoxy]methy]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225122-06-5 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[((2S)-3-(3,4-dichloropheny])-2-[[4-(diaothylamino)benzoy]]amino]-1-oxopropy]]amino]ethoxy]methy]- (CA INDEX NAME)

RN 225122-07-6 CAPLUS
CN Benzoic acid. 3-[[(2R)-2-cyano-2-[[(2S)-3+(3,4-dichlorophenyl)-2-[(3,4-diaethylbenzoy)) amino]-1-oxopropyl amino] ethoxylmethyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225122-08-7 CAPLUS

CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-3-(3,4-dichlorophenyl)-2-[(4-acity]benzoyl)amino]-1-oxopropyl]amino]ethoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225122-09-8 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-[(4-chlorobenzoy1)amino]-3-(3,4-dichlorophenyl)-1-xopropyl]amino]-2-cyanocthoxy]methyl]- (CA INDEX NAME)

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) NAME)

Absolute stereochemistry.

RN 225122-13-4 CAPLUS

Benzoic acid, 3-[[(2R)-2-[[(2S)-2-[(4-chlorobenzoy])amino]-3-(3-chlorophenyl)-1-cxopropy]]amino]-2-cyanoethoxy[methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225122-14-5 CAPLUS

Benzola acid, 3-[(2R)-2-[(2S)-2-[(benzo[b]thiem-2-ylcarbony!)amino]-3-(3-(bloropheny!)-1-oxopropy!]amino]-2-cyanouthoxy]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225122-15-6 CAPLUS
CN Benzoic ncid, 3-[[(2R)-2-[[(2S)-3-{3-chloropheny1})-2-[(3,4-dichlorobenzoyl)amino]-1-exopropyl]amino]-2-cyanoethoxy]methyl]- (CA INDEX MAME)

Absolute stereochemistry.

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
Absolute stereochemistry.

RN 225122-10-1 CAPLUS
CN Benzoic acid, 3-[[(2R)-2-cyano-2-[[(2S)-2-[(3,4-dichlorobentoy1)amino]-3-(3,4-dichloropheny1)-1-oxopropy1]amino]ethoxy]methy1]- (CA INDEX NAME)

Absolute stereochemistry.

RN 225122-11-2 CAPLUS
CN Benzoic acid, 3-{[(2R)-2-[(2S)-2-[(3-chlorobenzoyl)amino]-3-(3-chlorophenyl)-1-oxopropyl]amino]-2-cyanoethoxylmethyl)- (CA INDEX NAME)

Absolute stereochemistry.

RN 225122-12-3 CAPLUS
CN Bonzoic acid, 3-[[(2R)-2-[[(2S)-3-(3-chlorophenyl)-2-[(4-acthylbenzoyl)amino]-1-oxopropyl]amino]-2-cyanoethoxyjmethyl]- (CA INDEX

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

RN 225122-16-7 CAPLIS
CN Benzoic acid, 3-[[(2R)-2-[[(2S)-3-(3-chlorophenyl)-2-[(3,4-dimethylbenzoyl)amino]-1-oxopropyl]amino]-2-cyanoethoxy]methyl} (CA INDEX ANAE)

Absolute stereochemistry.

RN 225122-17-8 CAPLUS
CN Benzoic neid, 3-[(2R)-2-cyano-2-[(2S)-2-[(4-fluorobenzoyi)amino]-3-(3-meihylphenyl)-1-(xxxpropropyl]amino]eihoxy]meihyl} (CA INDEX NAME)

Absolute stereochemistry.

RN 225122-18-9 CAPLUS
CN Benzoic acid. 3-[[(2R)-2-cyano-2-[[(2S)-2-[(2.4-difluorobenzoyl)amino]-3-((3-methyl)phenyl)-1-oxopropyl]amino]ethoxylmethyl]- (CA INDEX NAME)

L4 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

11

225122-60-1P 225122-61-2P 225122-64-5P RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent) (synthesis of dipetide nitriles as inhibitors of cysteine cathepsins) 225122-60-1 CAPLUS Benzolc acid. 3-{klR.7S}-4-cyano-11.11-dimethyl-7-{(3-methylphenyl)methyl}-6.9-dloro 2.10-dioxa-5.8-diazadodec-1-yl]-, 2-propenyl ester (9C1) (CA

Absolute stereochemistry.

225122-61-2 CAPLUS
Benzoic acid, 3-[[(2R)-2-[[(2S)-2-amino-3-(3-methylphenyl)-1oxopropyl]amino]-2-cyanocthoxy]methyl]-, 2-propenyl ester (9Cl) (CA INDEX
NAME)

225122-64-5 CAPLUS Benzoic acid, 3-(3-amino-3-cyanopropoxy); methyl ester (CA INDEX NAME)

L4 ANSWER 49 OF 82 CAPLIS COPVRIGHT 2008 ACS on STN

ACCESSION NUMBER:
DOCUMENT NUMBER:
1996:569059 CAPLUS
125:301511
Enantioneerically pure u-fluoroalkyl-uamino acids: synthesis of (R)-udifluoroacthylaerine and (S)-udifluoroacthylaerine
AUTHOR(S):

AUTHOR(S):

AUTHOR (S):

AUTHOR (S)

CORPORATE SOURCE:

V.; Seresini, Paulo, turnica, Seresini, Paulo, Rotteo C.N.R., Dip. Chimia Politecnico Milano, Centro Studio Sostanze Organiche Naturali, Milan, I-20131, Italy Tetrahedron: Asymmetry (1996), 7(8), 2321-2332 CODEN: TASYE3: ISSN: 0957-4166 Elsevier Journal

SOURCE:

Journal English CASREACT 125:301511

PUBLISHER: DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): GRAPHIC IMAGE:

ANSTRACT:

Hydrocynantion of enantiomerically pure N-Cbs e-fluorosiky!

P-sul (inylenasines (1: R = CR3, CF2H, CF2CI) occurs smoothly by irestment

rith KCN or by addition of Me35icN or (EIO)2P(O)CN to preformed sodium derivs, of

I. The diastereoiscomeric difluoro-u-mainonitriles (11) have been

converted to the unnatural amino acids (R)-u-difluoromethylalanine and

(S)-u-difluoromethylaerine.

|82998-18-IP [83075-51-6P RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Proparation): RACT (Reactant or reagent) | (synthesis of (R)-w-difluoromethylalenine and (S)-w-difluoromethylaerine) | 182998-18-I CAPLUS | Carbanic acid, [I-cynno-2, 2-difluoro-1-[[(4-methylphenyl)sulfinyl]methyl]ethyl]-, phenylmethyl aster. [R-(R*, R*)]- (9CI) (CA INDEX NAME) 11

Absolute stereochemistry. Rotation (+).

183075-51-6 CAPLUS Carbamic acid, [1-cyano-2,2-difluoro-1-[[(4-methylphenyl)sulfinyl]methyl]e thyl]-, phenylmethyl ester, [R-(R*,S*)]- (9C1) (CA INDEX NAME) ANSWER 48 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

IT

225122-65-6P
RL: SPN (Synthetic preparation): PREP (Preparation)
(synthesis of dipeptide nitriles as inhibitors of cysteine cathepsins)
225122-65-6 CAPLUS
Benzoic acid, 3-[3-cyano-3-[[(2S)-2-[(diphenylacatyl)amino]-3-(3-methylphenyl)-1-oxopropyl]amino]propoxy]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 49 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN Absolute stereochemistry. Rotation (+). (Continued)

182998-08-9P 182998-29-4P 183075-50-5P
183075-52-7P
RL: SPM (Synthetic preparation): PREP (Preparation)
(synthesis of (R)-a-difluoromethylalanine and
(S)-a-difluoromethylserine)
182998-08-9 CAPLUS
Carbamic acid, [1-cyano-2, 2, 2-trifluoro-1-[[(4-methylphenyl)suffinyl]methyl]ethyl]-, phenylmethyl ester, [R-(R*,R*)]-(9C1) (CA INDEX NAME)

Absolute stereochemistry.

182998-29-4 CAPLUS
Carbasic acid, [2-chloro-1-cyano-2, 2-difluoro-1-[[(4-methylphenyl)sulfinyl]methyl]ethyl]-, phenylmethyl ester, [R-(R*,S*)]-(SCI) (CA INDEX NAME)

 $183075-50-5 \quad CAPLUS \\ Carbanic acid, [1-cyano-2, 2, 2-trifluoro-1-[[(4-methy]|heny)] sulfinyl]methyl]-thoughtylbenyl sulfinyl]methyl]-thyl]-, phenylmethyl ester, [R-(R*,S*)]-(9C)) (CA INDEX NAWE)$

183075-52-7 CAPLUS
Carbanic acid. [2-chloro-1-cyeno-2, 2-difluoro-1-[[(4-methylphenyl)sulfinyl]methyl]ethyl]-, phenylmethyl ester, [R-(R*,R*)]-(SCI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 50 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

ABSTRACT: Title compds. [1: AB = C(:X)NR3, C(SR):N; R = alk(en)yl, aryl(alkyl), etc.: R1, R2 = cyano, NO2, halo, CF3, etc.: R3 = H, groups cited for R; R4, R5 = H, (un) substituted alkyl, etc.: X = 0 or S; Y = 0, S, NH] were prepared Thus, 84X inhibition of ornithine decarboxylase prepared from castrated mice receiving testosterone propionate and 1.5mg/kg prepared title compound 11 s.c. was observed

17

DOCUMENT NUMBER: TITLE:

ANSWER 51 OF 82 CAPLIS COPYRIGHT 2008 ACS on STN
1995:763507 CAPLUS
MEDIT NUMBER:
123:170178
Anio acid amide derivative, agrohorticultural
bactericide, and production process
Shibata, Masuru: Sugiyama, Kazuhiko: Yonekura,
Norihisa: Sakai, Junetsu: Kojima, Yoshiyuki: Hayashi,
Shizeru INVENTOR (S):

Norihisa: Sakai, Junetsu: Kojima, Yoshiyuki: Heys Shigeru Kumiai Chemical Industry Co., Ltd., Japan: Ihara Chemical Industry Co., Ltd. PCT Int. Appl., 134 pp. CODEN: PIXXD2 Patent Japanese I PATENT ASSIGNEE(S):

SOURCE:

DOCUMENT TYPE: LANGUAGE: FAMILY ACC, NUM. COUNT: PATENT INFORMATION:

	PA	TENT N	0.			KIN	D	DATE			APF	LICAT	100	NO.			DATE	
	WO	94254			_	Al			1110		WO	1994-	JP70	8			1994042	7
						RO.	RU.	UA.	US	CD	~	. 15		1.13	ис	k7	., PT, S	-
		RW:		BE,	сн,					GB,						N		
		64874				Αl			0419		r.P	1994-	9145	101			1994042	•
	EP	64874				Bl		1997										
		R:		ES,	FR,			NL.										_
		11088				٨			0920		CN	1994-	1902	49			1994042	7
		10782				В			0123									_
		11285				B3			0130			1994-					1994042	
	RU	21281	86			CI			0327			1994-					1994042	
	PL.	17590	6			Bŧ		1999	0331			1994-					1994042	
	BR	94052	81			٨		1999	0831		BR	1994-	528 I				1994042	
	ΙP	07010	825			٨		1995	0113		JP	1994~	1143	45			1994042	8
	ĬΡ	36729	44			B2		2005	0720									
		21800				٨ı		1996	0509		CA	1994-	2180	0000			1994102	7
		21800				C		2000	0627									
		55740				Ă			1112		US	1994-	3563	16			1994122	8
		57234				Ä			0303			1996-					1996071	1
PRIO		Y APPL		INFO	:							1993-				٨	1993042	8
	•••		•••	0	• •							1994-				¥	1994042	
												1994-					1994122	

CASREACT 123:170178; MARPAT 123:170178 OTHER SOURCE(S): CASREACT 123:170178: MARPAT 123:170178

ANSTRACT:
Title compds. R1-Z1-C(:Z2)R1-CHR2-CO-NH-CR3R4-(CR5R6)m-Z3-(CR7R8)n-Q [I: R1 = alkyl, alkenyl, alkenyl, etc.; R2 = Et. Pr., iso-Pr., iso-Bw., sec-Bw. tert-Bw. alkyl, cycloalkyl, etc.; R3 = H, alkyl; R4 = H, alkyl, cyano; R5, R6, R7 = H, alkyl; R7 = H, R5: Z3 = H, S; Can) aubstituted isino, etc.; m = 0-2 integer: n = 0, 1} are prepared Thus. I-methyl-2-(4-nitrophenoxy)ethylmine was added to a mixture of N-iert-butoxycarbonyl-L-valine, CHZC12, N-methylpiperidine, and iso-Bw. chloroformate at = 60° and the resulting mixture was allowed to react at room temperature for 15 h to give 55% N2-iert-butoxycarbonyl-N1-[1-methyl-2-(4-nitrophenoxy)ethyl]-L-valinamida. I have a high control effect on down mildew of cucumber, diseases of tomate and down mildew of grape. Further it is excellent in the capability of penetration and aigration, residual effect and rainfall resistance without causing crop injury. OTHER SOURCE(S):

| 167087-41-4P 167087-42-5P | RL: AGR (Agricultural use): BAC (Biological activity or effector, except adverse): BSU (Biological study, unclassified): SPN (Synthetic preparation): BIOL (Biological study): PREP (Preparation): USES (Uses) (amino acid amide derivative, agrohorticultural bactericide, and production process) 167087-41-4 (APULS (Carbamic acid, [1-[[2-(4-chlorophenoxy)-1-cyanoethyl]amino]carbonyl]-2-methylpropyl]-, 1-methylethyl ester (9C1) (CA INDEX NAME)

L4 ANSWER 51 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

167087-42-5 CAPLUS : Carbamic acid, [[-[[(2-(4-ch]orophenoxy)-1-cyanoethyl]amino]carbonyl]-2-methy[proyl]-, phonyl ester (9C1) (CA INDEX NAME)

ANSWER 52 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

151857-10-2 CAPLUS Propanenitrile, 2-amino-3-(4-phenoxyphenoxy)- (CA INDEX NAME)

L4 ANSWER 52 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
DOCUMENT NUMBER:
1994:54537 CAPLUS
120:54537
1TITLE:
PRIVENTOR(S):
INVENTOR(S):
PATENT ASSIGNEE(S):
SOURCE:
DOCUMENT TYPE:
LANGUAGE:
FAMILY ACC. NUM. COUNT:
FAMILY ACC. FUND. FUND.

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
	EP 553623	Al	19930804	EP 1993-100223	_	19930108
	EP 553623 R; CH, DE, E	BI S. FR. GB	20010404 . IT. LI			
	AU 9230491	, ι·κ, σε Α	19930729	AU 1992-30491		19921231
	AU 658955	B2	19950504			
	ES 2155442	T3	20010516	ES 1993-100223		19930108
	BR 9300299	۸	19930803	BR 1993-299		19930127
	IP 05271206	A	19931019	JP 1993-11698		19930127
	IP 3239508	B2	20011217			
	US 5411979	۸	19950502	US 1993-10015		19930127
PF	HORITY APPLN. INFO. :			IP 1992-12967	٨	19920128
	HER SOURCE (S):	CASREA	CT 120:5453	37: MARPAT 120:54537		
GF	APHIC INAGE:					

ABSTRACT:
Title compds. [I: H. halo, (halo)alkyl, alkoxy, etc.; R2 = H. halo, alkyl,
alkoxy, alkylthio: R3 = H. Me: R4 = (substituted) Ph: p = 1-4] were prepared
Thus, 4-(MeSC)C6H40H was condensed with BrCH2CH(0Me)2 and the product converted
in 4 steps to 4-(MeSC)C6H40CH2CH(0M2)CH20H with was cyclocondensed with
2,6-F2C6H2COC1 to give 1 (R1 = CMe3. R2 = R3 = H. R4 = C6H3P-2-2,6) which gave
≥90% control of Culex pipiens pallens larvae in H2O containing 3.5 ppm.

IT 151857-09-9P 151857-10-2P
RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant) or reagent)
(preparation and reaction of, in preparation of acaricide and insecticide)
RN 151857-09-9 CAPLUS
CN Preparentirile, 2-zamino-3-[4-(1,1-dimethylethyl)phenoxy]- (CA INDEX NAME)

L4 ANSWER 53 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER:
DOCUMENT NUMBER:
11993:650429 CAPLUS
119:250429

A versatile entry into the synthesis of
a (sonofluoromethyl) amino acids; preparation of
a (sonofluoromethyl) amino acids; preparation of
a (sonofluoromethyl) servine and
(E) -dehydro-u-(sonofluoromethyl) ornithine
Van Hijfte, Luc. Heydt, Veronique; Kolb, Nichael
Strasbourg, 87009, Fr.
Tetrahedron Letters (1993), 34(30), 4793-6
CODEN: TELEAY: ISSN: 0040-4039
Journal
English
CASREACT 119:250429

DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): GRAPHIC IMAGE:

ABSTRACT: A new entry to the synthesis of α -(monofluoromethyl) amino acids is described. The synthesis is based on a Strecker reaction on an α -(monofluoromethyl) kotone. As an example, α -(monofluoromethyl) kotone. As an example, α -(monofluoromethyl) serine I was synthesized and used as starting material for a new synthesis of (E)-dehydro- α -(monofluoromethyl) ornithine II.

IT 151028-29-4P
RL: RCT (Renciant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reaction or reagent)
(preparation and hydrolysis of)
RN 151028-29-4 (CPAL)
CN Propanenitrile, 2-mmino-2-(fluoromethyl)-3-(phenylmethoxy)- (CA INDEX NAME)

L4 ANSWER 54 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1993:191742 CAPLUS
DOCUMENT NUMBER: 118:191742
TITLE: Prenaration

herbicides
Findeisen, Kurt: Kuhni, Dietmar: Mueller, Klaus
Findeisen, Kurt: Kuhni, Dietmar: Mueller, Klaus
Helmut: Koenig, Klaus: Luerssen, Klaus: Sontel, Hans
Joachis: Schmidt, Robert Rudolf
Bayer A.-C., Germany
Ger, Offen, 56 pp.
CODEN: GWXEX
Patent
German INVENTOR(S):

PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

| No. PATENT NO. DATE DE 4116115 A1

WO 9220663 A1

RW: AU, BR, CA, CS, HU,

RW: AT, BE, CH, DE, DK,

AU 9216800 B2

AU 655019 B2

P5 586418 A1

R: AT, BE, CH, DE, DK,

BR 9205999

PRIORITY APPLN. INFO.: 19910517 19920504 19920504 19920504 19910517 19920504

OTHER SOURCE(S): GRAPHIC IMAGE:

ABSTRACT:

Title compds. I [R1, R2 = (substituted) alky1, -ary1, -heteroary1, etc.; RIR2N = (substituted) heterocycly1; R3 = (cyclo)alky1; R4 = (substituted) alky1, -cycloalky1, -ary1, -aroy1, alkoxy, etc.; X = 0, S] were prepared as herbicides (no data). Thus, addition reaction of I-methy1-S-methy1-N-methy1amino-1, 2-divideo-3-one (preparation given) with 4-MechMCICCINE-MCCO in NeCN containing DBU gave title compound i [R1 = Et. R2 = R3 = Me: R4 = CINECTICATCIONHME-CX = 0) [III) in 81% yield. :Numerous I were said to be superior postemergent herbicides.

146229-87-0P
RL: AGR (Agricultural use): BAC (Biological activity or effector, except adverse): BSU (Biological study, unclassified): SPN (Synthetic preparation): BIOL (Biological study): PREP (Preparation): USES (Uses) (preparation of, as herbicide)
146229-87-0 CAPLUS
IH-1, 2, 4-Triazole-1-carboxamide, N-[2-[(4-chlorophenyl)thio]-1-cyano-1-methylethyl]-3-(dimethylamino)-2, 5-dihydro-2-methyl-5-oxo- (CA INDEX NAME)

L4 ANSWER 55 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1993: 101965 CAPLUS
TITLE: 1993: 101965 CAPLUS
TITLE: Preparation of substituted tria
TIVENTOR(S): Findeisen, Kurt; Kuhnt, Dietman IIS:101965
Preparation of substituted triazolinones as herbicides Findeisen, Kurt: Kuhnt, Dietmar: Mueller, Klaus Helmut: Haug, Michael; Koenig, Klaus: Luerssen, Klaus: Santel, Hans Joachim: Schmidt, Robert R. Bayer A.-G., Germany Eur, Pat. Appl., 34 pp. CODEN: EPXXDW

PATENT ASSIGNEE (S) : SOURCE:

DOCUMENT TYPE: LANGUAGE:

FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
EP 513621 R: BE, CH, DE,	A1 DK. ES.	19921119 FR. GB. 17	EP 1992-107530		19920504
DE 4115618	Al	19921119	DE. 1991-4115618		19910514
AU 9215912	Ä	19921119	AU 1992-15912		19920430
AU 644055	B2	19931202			
US 5209769	A	19930511	US 1992-878149		19920504
IP 05194435	A	19930803	JP 1992-141065		19920507
CA 2068356	AL	19921115	CA- 1992-2068356		19920511
BR 9201807	Ä	19921229	BR 1992-1807		19920513
PRIORITY APPLN. 1NFO.: OTHER SOURCE(S): GRAPHIC IMAGE:	MARPAT	118:101965	DE 1991-4115618	٨	19910514

E(=Y)NHAR3 I

ABSTRACT:

Title compds. I [RI = NR4R5, SR6; R2 = alkyl; R3 = (aubstituted) aryl,
-cycloalkyl, -heterocyclyl; A = CRTRSCRGRID(CH2) = (CH2) = (R18C, tplbond, C, CRTRSCN; X, Y = 0, S; R4 = II, alkyl; R5, R6 = alkyl; R7 = H,
CYANO, alkyl and R8-R10 = H, alkyl or R7R8 = (CH2)p; Q = 0, S, S0, S02, RR11:
R11 = H1 (substituted) alkyl, alknoyl; = n = 0-2; p = 2-6] were prepared as herbicides. Thus, treatment of i-(4-chlorophenoxy)-2-propylamine with CCC12 gave the isocymanic. Addition of 3-dimethylamino-4-methyl-1,2-4-trizacylin-5-one in the presence of DBU gave title compound 1 [R1 = Ne2N; R2 = Ne; R3 = 4-ClCGH4; A = CHBACLOZ; X = Y = 0) (II) in 84% yield. II is effective both pre- and roalemengent.

146015-67-OP 146015-82-9P 146015-83-OP 146015-84-IP RL: AGR (Agricultural use): BAC (Biological activity or effector, except adverse): BSU (Biological study, unclassified): SPN (Synthetic preparation): BIOL (Biological study): PREP (Proparation): USES (Uses) (preparation of, as herbicide)
146015-67-O CAPLUS
1H-1.2 4-Triangle-1-carboxymide. N-[2-[(4-chlorophenyl)thio]-1-cyano-1-

| Hell, 2,4-Triazole-1-carboxamide, N-[2-[(4-chloropheny1) thio]-1-cyano-1-achylethyl]-3-(diacthylanino)-4,5-dihydro-4-achyl-5-oxo- (CA INDEX NAME)

ANSWER 54 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

$$\begin{array}{c|c} \text{Me} & \text{Me} \\ \text{Ne} & \text{O} & \text{Me} \\ \text{Ne} & \text{CN} & \text{CH}_2 \text{-S} \\ \text{O} & \text{CN} \\ \end{array}$$

ANSWER 55 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

146015-82-9 CAPLUS
1H-1, 2, 4-Triazole-1-carboxamide, N-[2-[(4-chlorophenyl)thio]-1-cyano-1methylethyl-4, 5-dihydro-4-methyl-3-(methylamino)-5-oxo- (CA INDEX NAME)

146015-83-0 CAPLUS 1H-1, 2, 4-Triazole-1-carboxamide, N-[2-(4-chlorophenoxy)-1-cyano-1-methylothyl]-3-(dimethylamino)-4, 5-dihydro-4-methyl-5-oxo- (CA INDEX NAME)

146015-84-1 CAPLUS
1H-1, 2, 4-Triazole-1-carboxamide, N-[2-[(4-chloropheny]) sulfonyl]-1-cyano-1mothylethyl]-3-(dimethylamino)-4, 5-dihydro-4-methyl-5-oxo- (CA INDEX
NAFF

146016-17-3P
RL: SPM (Synthetic preparation); PREP (Preparation)
(preparation of, as intermediate for herbicides)
146016-17-3 CAPLNS
Propanenitrile, 2-maine-3-[(4-chlorophenyl)thio]-2-mathyl- (CA INDEX MAME)

L4 ANSWER 55 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

L4 ANSWER 56 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
Tille compds. 1 [R1 = H, NH2, C1-4 alky1, C1-4 alkoxy, substituted C1-3 alky1,
C1-3 hydroxyalkoxy, C1-4 alkxyalkoxy, etc.: quinazoline ring may have one most substituent: R2 = H, C1-4 alky1, alkey1, alkyny1, hydroalky1, haloalky1,
-cyanoalky1: R3 = H, C1-3 alky1: Ar = (substituted) phenylene, (substituted)
heteroxyclene: L = C00N, NH2O, C0NRA, NH4CO, CHC, C1C2: RA = C1-4 alky1: Y =
AICES(A3Y3)A2Y2: R5 = H, C1-3 alky1: A1, A2 = bond, C1-4 alky1ene: A3 = bond,
c10 alkylene: A3 = bond, C1-4 alky1ene: A3 = bond,
c10 alkylene: A3 = bond, C1-4 alky1ene: A3 = bond,
c10 alkylene: A3 = bond, C1-4 alky1ene: A3 = bond,
c10 alkylene: A3 = bond, C1-4 alky1ene: A3 = bond,
c10 alkylene: A3 = bond, C1-4 alky1ene: A3 = bond,
c10 alkylene: A3 = bond, C1-4 alky1ene: A3 = bond,
c10 alkylene: A3 = bond, C1-4 alky1ene:
c10 alkylene: A3 = bond,
c10 alkylene: A1 = bond,
c10 alkylene: A1 = alkylene:

140373-50-8P
RL: SPM (Synthetic preparation): PREP (Preparation)
(preparation of, as intermediate for antitumor agents)
140373-50-8 CAPLUS
Carbanic acid, [!-cyano-2-[[(4-methoxyphenyl)methyl]thio]ethyl]-,
phenylmethyl ester, (S)- (9C1) (CA INDEX: NAME)

Absolute stereochemistry.

L4 ANSWER 56 OF 82 CAPLIS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
DOCUMENT NUMBER:
115:194334 CAPLUS
116:194334 (APLUS
116:194334 (APL

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: Patent English

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 459730	A2	19911204	EP 1991-304757	19910524
EP 459730	A3	19930120		CC
R: AT, BE, CH			3, GR, IT, LI, LU, NL, AU 1991-77075	19910516
AU 9177075	A DO	19911205	VD 1881-11012	19910910
AU 640016	B2	19930812	71 1001 0700	10010516
ZA 9103730	٨	19920226	ZA 1991-3730	19910516
CA 2042922	A1	19911201	CA 1991-2042922	19910521
HU 57739	A2	19911230	HU 1991-1768	19910527
NO 9102071	A	19911202	NO 1991-2071	19910529
JP 04235173	۸	19920824	JP 1991-124260	19910529
F1 9102600	Ä	19911201	FI 1991-2600	19910530
GB 2244708	Ä	19911211	GB 1991-11656	19910530
GB 2244708	B	19931208		
US 5280027	Ã	19940118	US 1991-708046	19910530
PRIORITY APPLN. INFO.:	^	10010110		A 19900530
OTHER SOURCE(S):	MADDAT	116:194334	GD 1550 71505	1 1350000
	MARFAI	110.194334		
GRAPHIC IMAGE:				

$$\begin{array}{c} 0 \\ \text{HN} \\ \text{R1} \\ \text{N} \\ \text{CH2N} \left(\text{CH2C} \equiv \text{CH} \right) \\ \text{CH2N} \left(\text{CH2C} \equiv \text{CH} \right) \\ \text{CONHCHPhCH2OH} \\ \text{R} \\ \text{N} \\ \text{N}$$

ABSTRACT:

L4 ANSWER 57 OF 82
ACCESSION MINMER:
DOCUMENT NUMBER:
1591:556601 CAPLUS
1151:256601 CAPLUS
1151:25601 CAPLUS
1151:256601 CAPLUS
1151:256601 CAPLUS
1151:256601 CAPLU

OODE: SYNCAY: ISSN: 0039-7911

DOCIMENT TYPE: Journal

LANGIAGE: English

OTHER SOURCE(S): CASREACT 115:256601

ASSTRACT:

Michael addition of isines RCHRIN:CPh2 (R = H, CH2CH2SOPh, RI = CN, CO2Et; R = Me, Bu, CH2CH:CH2, RI = CN) to acceptors H2C:CHR2 (R2 = SOPh, CN, CO2Et, COMe)

under phase-transfer conditions in the absence of solvent gave adducts

R2CH2CH2CRIN:CPh2 (I) in 50-95% yields. 1 (RI = CN, R2 = SOPh) underwent thermolysis in refluxing xylene to give vinyl derivs. H2C:CHCR(CNN:CPh2 in 60-86% yields. 1 (R = CH2CH2SOPh, RI = CN, R2 = SOPh) was converted into a, a-divinylglycine derivative BzNHC(CH:CH2)2CO2Et by hydrolysis and thermolysis reactions.

137283-23-9P 137283-26-2P RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent) (preparation and amidation of, with benzoy) chloride) 137283-23-9 CAPIUS Butanenitrile, 2-amino-4-(phenylsulfinyl)- (CA INDEX NAME)

Ph-S-CH₂-CH₂-CH-CN

137283-26-2 CAPLUS Butanenitrile, 2-amino-4-(phenylsulfinyl)-2-[2-(phenylsulfinyl)ethyl]-(CA INDEX NAME)

137283-27-3 CAPLUS Benzamide, N-[1-cyano-3-(phenylsulfinyl)-1-[2-

ANSWER 57 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (phenylsulfinyl)ethyl]propyl]- (CA INDEX: NAME)

137283-28-4 CAPLUS Benzamide, N-[1-eyano-1-[2-(phenylsulfinyl)ethyl]-2-propenyl]- (9CI) (CA INDEX NAME)

$$\begin{array}{c} \text{CN} & 0 \\ \text{C-CH}_2\text{-CH}_2\text{-CH}_2\text{-S-Ph} \\ \text{CH-C-Ph} \\ 0 \end{array}$$

ANSWER 58 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) (prepn. nitrosation, and cyclization of) 132425-59-3 CAPLUS (Propanenitrile, 2-[(2,6-dimethyl-1-piperidinyl)amino]-3-(phenylthio)- (CAINDEX NAME)

132425-62-8 CAPLUS Propanenitrile, 2-(4-morpholinylamino)-3-[(phenylmethyl)thio]- (CA INDEX NAME)

132425-64-0 CAPLUS
Propanenitrile, 2-[(2,6-dimethyl-1-piperidinyl)amino]-3[(phenylmethyl)thio]- (CA INDEX NAME)

132425-71-9 CAPLUS Propanenitrile, 2-[(2,6-dimethyl-i-piperidinyl)amino]-3-phenoxy- (CA INDEX NAME)

132425-73-1 CAPLUS Propagementrile, 2-[(2,6-dimethy)-1-piperidinyl)amino]-3-(phenylmethoxy)-(CA INDEX NAME)

L4 ANSWER 58 OF 82
ACCESSION NUMBER:
DOCUMENT MANBER:
ITILE:
INVENTOR(S):

PATENT ASSIGNEE(S):
SOURCE:

DOCUMENT TYPE:
LANGUAGE:
DOCUMENT TYPE:
LANGUAGE:
FAMILY ACC, NUM, COUNT:
FAMILY ACC, NUM, COU DOCUMENT TYPE: LANGUAGE: FAMILY ACC, NUM. COUNT: PATENT INFORMATION: PATENT NO. KIND DATE APPLICATION NO. DATE DE 3921460 A1 19910103
US 5079244 A 19920107
EP 406661 A1 19910109
R: AT, BE, CH, DE, DK, ES, FR, G
JP 03128367 A 19910331
CA 2020216 A1 19910321
ZA, 9005099 A 19910421
A5 19920130
DE 297972 A5 19920130
PRIORITY APPLN INFO: OTHER SOURCE (S): CASREACT 114:122: GRAPHIC IMAGE: ATTILICATION NO.

ATTILICATION NO.

ATTILICATION NO.

ATTILICATION NO.

BE 1989-3921460
A 19922107 US 1990-534152
AT 19910109 EP 1990-112031
BE 086. DK. ES, FR. GB. IT. LI. NL. SE
A 19910531 JP 1990-2020216
AT 19901231 CA 1990-2020216
AT 19901231 CA 1990-2020216
AT 19920130 DD 1990-342361
AZ 19920330 DT 1990-342361
CASREACT 114:122388: MARPAT 114:122388 19890630 19900607 19900625 19900628 19900629 19900629 19900629 19900629 19890630

ABSTRACT:
Aminosydnonimines I (A = CI-6 alkylene: X = 0, S: RI = H, acyl: R2 = C<6 alkyl, alkenyl, alkynyl, aralkyl, aryl: R3, R4 = alkyl, alkenyl, alkynyl, cycloalkyl, aralkyl, S-heterocyclic or their S-oxides: NR3R4 = heterocyclic were prepared by nitrosation-cyclization of R3RANNUCH(CN)AR2. Thus, I-amino-2.6-dimethylpiperidine was treated with HESCHICZNO and NaCN to give the nitrile II which was treated with NaNO2-HCI to give the sydnonimine III. I have antihypertensive activity (no data).

IT 132425-59-3P 132425-62-8P 132425-64-0P 132425-71-9P 132425-73-IP RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent)

L4 ANSWER 58 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER:
DOCUMENT NUMBER:
1199: 459808 CAPLUS
113:59808

2-(4-Amino-4-carboxybutyl) aziridine-2-carboxylic acid.
A potent irreversible inhibitor of diaminopimelic acid epimerase. Spontaneous formation, from or (he) carboxybutyl) aziridine-2-carboxylic acid.
A potent irreversible inhibitor of diaminopimelic acid epimerase. Spontaneous formation, from or (he) carboxybutyl) aziridine-2-carboxylic acid.
A potent irreversible inhibitor of diaminopimelic acid epimerase. Spontaneous formation, from or (he) carbox from the substitution of diaminopimelic acid.
A potent irreversible inhibitor of diaminopimelic DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): GRAPHIC IMAGE: _CO2H NH2 HN

82212-55-3P
RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent)
(preparation and cyclocondensation of with phthaloyl dichloride)
82212-55-3 (APLUS
Pentanenitrile, 2-amino-2-(fluoromethyl)-5-(phenylmethoxy)- (CA INDEX NAME)

L4 ANSWER 60 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) CH2Ph, CH2C6H40H-p; R3 = H, C1-4 alkylcarbonyl; Y = CH2P, CH2Cl], useful as ornithine decarboxylase inhibitors, and their intermediate lactams (11: Y = CH2P, CH2Cl] = 3, 4) were prepd. Esterification of 2,6-dianinohexamoic acid-HCl with MeOH in the presence of HCl and Schiff base formation of the resulting Me ester with PHCHO gave Me 2,6-bis (Benzylideneamino)hexamoste. Deprotonation of the latter compd. with NaH in (Me2N)3PO followed by alkylation with CH2Pf and hydrolysis with Naq. HCl gave Me 2-fluoromethyl-2,6-diaminohexamoste-2HCl which was treated with NaMer/MeOH to give 2-maino-3-fluoromethyl-1-piperidone. Hydrolysis of the latter compd. in refluxing 6N aq. HCl gave 2-fluoromethyl-2,5-diaminopentanoic acid-HCl (III). Ill in vivo showed 70.5 ±12.5 % ornithine decarboxylase activity in ventral prostate of rats at 5 h after a single i.p. injection.

82212-55-3P
RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent)
(preparation and inidation of, with phthaloyl dichloride)
82212-55-3 CAPLUS
Pentanenitrile, 2-amino-2-(fluoromethyl)-5-(phenylmethoxy)- (CA INDEX NAME)

FCH₂-C- (CH₂)₃-0-CH₂-Ph

L4 ANSWER 60 OF 82 ACCESSION NUMBER:
DOCUMENT NUMBER:
11989:78067 CAPLUS
110:78667
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110 DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: PATENT NO. KIND DATE APPLICATION NO. DATE 19820625 19820625 19830428 19840206 19880127 19950314 19770711 19790702 19790410 19790410 US 4743691 US 4438270 US 4496588 US 4560795 US 4866206 US 5614557 PRIORITY APPLN. INFO. : B2 19801107 B1 19810512 B3 19820526 A3 19820625 A3 19820625 A1 19820625 A1 19820625 B1 19840810 B1 19871015 B1 19880804 B1 19891103 B1 19890406 B1 19891103 B1 19900601 B1 1991013 B1 19920424 B1 19931014 B1 19931014 B1 19931014 B1 19931014

ABSTRACT: ZC(NHS) (CCR)Y [I: R = OH, Cl-8 alkoxy: Z = y-guanidinopropyl, ZC(NHS) (CCR) = H, Cl-4 alkylcarbonyl, ZCH(NH2) CO: y = 3. 4: ZC = Cl-4 alkyl.

L4 ANSWER 61 OF 82
ACCESSION NUMBER:
DOCUMENT NUMBER:
11TLE:
1988:21421 CAPLUS
108:21421 South 108:21421
108:21421 LAPLUS
108

DOCUMENT TYPE: Journal
LANGUAGE: English
CHIER SOURCE(S): CASREACT 108:21421
ABSTRACT:
ABSTRACT:
ABSTRACT:
ABSTRACT:
ABSTRACT:
Addition of the appropriate RSH to CH2:C(CN)02CR1. Amination of I (R = Ph: RI =
Me) (11) with NH3 followed by hydrolysis in aqueous HBr gave S-phenylcysteine in
63% overall yield. Amination of 11 with pyrrolidine or E12NH followed by
pyrolysis gave PhSCH:CHNR22 [R22 = (CH2)4, E12].

111248-44-3P
RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent)
(preparation and acidic hydrolysis of)
111248-44-3 CAPUS
Propanentirile, 2-amino-3-(phenylthio)- (CA INDEX NAME)

NH2 NC-CH-CH2-SPh

111248-43-2P RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of) 111248-43-2 (APLUS Propanenitrile, 2-(ethylamino)-3-(phenylthio)- (CA INDEX NAME)

NHE NC-CH-CH2-SPh

L4 ANSWER 62 OF 82 CAPLIS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
DOCUMENT NUMBER:
107:175876
107:175876
New process for obtaining (alpha)—asino nitriles and their applications to; organic synthesis
NUMBER:
NNEMTOR(S):
NATION ASSIGNEE(S):
RATENT ASSIGNEE(S):
ROUNCE:
DOCUMENT TYPE:
LANGUAGE:
FAMILY ACC. NUM. COUNT:
French
French
French

1987:875876

CAPLIS COPYRIGHT 2008 ACS on STN
1097:875876

LOPTING (alpha)—asino nitriles and their applications to; organic synthesis
Normal Albert S. A. F. F.
PCT Int. Appl. 26 pp.
CODEN: PIXXD2
Patent
French
French
French DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION: MARPAT 107:175676 OTHER SOURCE(S): OTHER SOURCE(S): MARYAI 10':1756'6

RRICC(N) (NH2) (1: R = cycloalkyl, aliphatic, aromatic; R1 = H, alkyl, aryl) are prepared for use as intermediates for the preparation of maino acids. A PhMe solution of 0.665 g phenoxyacatomitrile was reduced under an Ar atmospheric using Dibal at 0'. After stirring for I h at 0' the reaction, mixture was treated with 1.3 equiv Et2AlCN and hydrolyzed to give 27% 2-mmino-3-phenoxypropionitrile. 110888-09-0P 110888-13-6P 110888-14-7P
RL: SPN (Synthetic preparation): PREP (Preparation)
(preparation of)
110888-09-0 CAPLUS
Propanenitrile, 2-amino-3-phenoxy- (CA INDEX NAME) !T NC-CH-CH2-OPh 110888-13-6 CAPLUS Benzenepropanenitrile, α -amino- α -(phenoxymethyl)- (CA INDEX NAME)

L4 ANSWER 63 OF 82
ACCESSION MANBER:
DOCAMENT NABER:
11TE:
AUTHOR(S):
COMPORATE SOURCE:
SOURCE:
COMPORATE SOURCE:
DOCAMENT TYPE:
LANGUAGE:
OTHER SOURCE(S):
COMPORATE SOURCE(S):
COMPORATE SOURCE:
COMPORATE SOURCE (S)
COMPORATE SO DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): GRAPHIC IMAGE:

ABSTRACT:
The preparation of 7 title compds. (e.g., I: R = tetrahydropyranyl, RI = PhCH2: R = PhCH2: R = H: and II) is described. Thus, RCCII2CHO (R = tetrahydropyranyl) was treated with MeNH2. HCl and NaCN in aqueous MeOH to give 69% R2NMeCH(CN)CH2OR (III, R = tetrahydropyranyl, R2 = H), which was treated with HCC2M and I, I-carbonyldianidazole to give 84% III (R2 = HCO). Treating III (R2 = CHO) with H2S and ELN in EtOH gave 90% I2XCSCI(NNeCHO)CH2OR as a mixture of 2 diastercemers. Cyclization of the latter compds. by treatenent with CF3SOJSiMc3-EL3N in CH2CI2 and then NaBH4, followed by PhCH2Br gave 69% I (R = tetrahydropyranyl, RI = PhCH2).

- 108560-41-4P 108560-42-5P RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent) (preparation and maidation of) 10850-41-4 CAPLUS Propanentirile, 2-(methylamino)-3-(phenylmothoxy)- (CA INDEX NAME) ĮΤ

NC-CH-CH2-0-CH2-Ph

108560-42-5 CAPLUS Butanenitrile, 2-(methylamino)-4-(phenylmethoxy)- (CA INDEX NAME)

NC-CH-CH2-CH2-0-CH2-Ph

L4 ANSWER 62 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

110888-14-7 CAPLUS Benzeneacetonitrile, α -amino- α -(phenoxymethyl)- (CA INDEX NAME)

L4 ANSEER 64 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NAMBER: 1986:160953 CAPLUS
ORIGINAL REFERENCE NO.: 104:125289, 25292a
TITLE: Synthesis and spectroscopic properties of Co(salen) derivatives containing pendant thioether groups and their dioxygen adducts
AUTHOR(S): Nakamolo Kazuo: Oshio, Hiroki: Okawa, Hisashi: Kanda, Wakako: Horiuchi, Kaoru: Kida, Shigeo
Nakako: Horiuchi, Kaoru: Kida, Shigeo
Marquettuir, Milwauke, WI, 5223, USA
Inorganica Chimica Acta (1985). 108(4), 231-5
COBENT TYPE: LANGUAGE: English
ARSTRACT: MOREMENT (MINISTRACT)

CODEN: ICHAA3: ISSN: 0020-1693

DOCUMENT TYPE: Journal

LANGUAGE: English

ABSTRACT:

Col. (H2L = 0-HOC6H4CH:NNe (CH2CH2SR) CH2N:CHC6H4CH-0 (R = iso-Pr, Ph) were prepared

Electronic and ESR spectra in CH2Cl2 show that Col. (R = iso-Pr) is 5-ccoordinate
with pendant thiocether coordination at \$198 K whereas the Col. (R = Ph)

is 4-ccoordinate at 198 K and becomes a mixture of the 4- and 5-ccoordinate at 1iquid N temperature Upon reaction with 02 at low temps., both complexes form

dioxygen adducts in which the pendant thioether groups are coordinated trans to

dioxygen. Resonance Raman spectra show that Col. (R = iso-Pr) yields an equilibrium

mixture of the 1:1 and 1:2(02/Co) adducts at 190 K while Col. (R = Ph) forms only

the 1:1 adduct under similar conditions. These differences between Col. can be

attributed to the variance in basicity of their pendant S atoms.

101370-89-2P RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent) (preparation and reduction of) 101370-89-2 CAPLUS Butanentitrile, 2-maino-2-methyl-4-(phenylihio) - (CA INDEX NAME)

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L4 ANSWER 65 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
1984:22338 CAPPUS
100:22338
ORIGINAL REFERENCE NO.
100:3501a,3504a
Fluorinated aminonitriles
Gerhart. Fritz E.
MORITH SSIGNEE(S):
SOURCE:
BOULDENT TYPE:
LANGUAGE:
LANGUAGE:
COUEN: USXXAM
Patent
English
English
English
2
               PATENT NO.
                                                                                                                APPLICATION NO.
                                                                                                                                                                         DATE
                                                                KIND
                                                                                 DATE
  US 4405530
GB 2083031
GB 2083031
PRIORITY APPLN, INFO, :
                                                                                 19830920
19820317
19840418
                                                                                                                                                                         19811116
19810820
                                                                                                              US 1981-321505
GB: 1981-25475
                                                                                                                                                                A2 19801126
A 19810820
A 19800823
                                                                                                               US: 1980-210499
                                                                                                               GB: 1981-25475
GB: 1980-27503
```

ABSTRACT:

a-(Fluoromenthyl)-q-mainomacetonitriles, RICH2CHICHC (NI2) (CFpH3-p)CN

(p = 1, 2; Ri = H, MeO, PhCH2O, Ph2CH0, Ph3CO, CH2:CHCH2O),

RICH2C(:CH2)CH2C(MH2) (CFpH3-p)CN (Ri, p as above), R3C(CH2)CH2 (NI2) (CFpH3-p)CN

(R2 = Me, PhCH2, Ph2CH, Ph3C, CH2:CHCH2) a = 3, 4; p = 1, 2),

R3C(H2)C(NH2) (CFpH3-p)CN (R3 = substituted Ph, p = 1, 2), CH2:CHCH2C (NI2) (CFpH3-p)CN were prepared by treating a corresponding; ketinine magnesium halide with HCN or with an alkali metal cyanide or ammonium cyanide and a proton source of sufficient acidity. Thus, fluoromactionitrile in THF is added to propenylmagnesium bromide, cooled to -40° ithe reaction mixture is then poured into a solution of NaCN and NHACI in H2O and kept i h at room temperature to give crude 2-(fluoromethyl)-2-maino-3-pentamenitrile (1:1 cis/trans mixture).

88185-21-1P
RL: SPM (Synthetic preparation): PREP (Preparation)
(preparation of)
88185-21-1 CAPLUS
Pentamenitrile, 2-amino-2-(difluoromethyl)-5-(phenylmethoxy)- (CA INDEX NAME)

82212-84-8P
RL: SPN (Synthetic preparation): PREP (Preparation)
(preparation of, (fluoromethyl)phthalimidobenzyloxyhexanenitrile from)
82212-84-8 CAPLUS
Hexanenitrile, 2-amino-2-(fluoromethyl)-6-(phenylmethoxy)- (CA INDEX NAME)

L4 ANSWER 66 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
DOCUMENT NUMBER:
97:38498
97:38498
97:6571a, 5574a
Aminonitrile derivatives
Gerhart, Frietz
Merrell Toraude S. A., Fr.
COURCE:
LANGUAGE:
PATENT ACC, NUM. COUNT:
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
EP 46710	AI	19820303	EP: 1981-401327		19810821
EP 46710	BI	19840613			
R: AT, BE, C	H. DE. FI	R. IT. NL. S	Ε.		
DK 8103719	Α .	19820224	DK: 1981-3719		19810821
NO 8102842	٨	19820224	NO: 1981-2842		19810821
NO 151460	В	19850102			
NO 151460	B	19850417			
AU 8174431	A	19820304	AU 1981-74431		19810821
AU 542144	B2	19850207			
IP 57077657	٨	19820515	JP. 1981~130352		19810821
JP 03030587	В	19910430			
ZA 8105807	A	19820825	ZA: 1981-5807		19810821
ES 504882	A1	19830416	ES 1981~504882		19810821
CA 1164479	Al	19840327	CA 1981-384339		19810821
AT 7904	T	19840615	AT: 1981-401327		19810821
IL 63636	A	19850830	IL: 1981-63636		19810821
RITY APPLN, INFO,:			GB 1980-27503	٨	19800823
			US 1980-210499	٨	19801126
			EP 1981-401327	A	19810821

OTHER SOURCE(S): MARPAT 97:38498 OTHER SOURCE(S): MARYAT 97:38498

MARYAT PATER PATER

82212-55-3P
RL: RCT (Reaciant): SPN (Synthetic preparation); PREP (Preparation): RACT (Reactant or reagent)
(preparation and reaction of, with phthaloyl chloride)
82212-55-3 CAPLUS
Pentanonitrile, 2-amino-2-(fluoromethyl)-5-(phenylmethoxy)- (CA INDEX NAME)

L4 ANSWER 65 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

17

82212-55-3P
RL: SPM (Synthetic preparation): PREP (Preparation)
(preparation of, phthalimido derivative from)
82212-55-3 CAPLUS
Pentanenitrile, 2-amino-2-(fluoromethyl)-5-(phenylmethoxy)- (CA INDEX MAME)

DOCUMENT TYPE: LANGUAGE: GRAPHIC INAGE:

AMSTRACT:
The optical antipode of annhydromyriccin, the y-lactone derived from the antibiotic myriccin (thermozymocidin), was synthesized from L-arabinose, establishing the absolute configuration of myriccin as 1. In contrast to its natural enantiomer, it showed but little antifungal activity.

78009-97-9P 78086-20-IP RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of) 78009-97-9 CAPLUS 6-Tridecenenitrile. 2-amino-13-(2-hexyl-1,3-dioxolan-2-yl)-3.4-bis (phenylaethoxy)-2-[(phenylaethoxy)aethyl]-, [2R-(2R*,3R*,4R*,6E)]-(9CI) (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry as shown

78086-20-1 CAPLUS
6-Tridecenonitrile, 2-amino-13-(2-hexyl-1,3-dioxolan-2-yl)-3,4-bis(phenylmethoxy)-2-[(phenylmethoxy)methyl]-, [2S-(2R*,3S*,4S*,6E)]-(9Cl) (CA INDEX PAME)

Absolute stereochemistry. Double bond geometry as shown

L4 ANSWER 69 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1980:6604032 CAPLUS
DOCUMENT NUMBER: 93:2404032
ORIGINAL REFERENCE NO: 93:3:25541a, 25544a
Asymmetrical synthoses. VII. 1980: 604032 CAPLUS
93:204032
93:2241m, 32544m
Asymmetrical synthoses. VII. Synthesis of optically
estimates and the synthoses. VII. Synthesis of optically
estimates. Naus: Blackholm, Heinz
Org.-Chen. Inst., Univ. Heidelberg, Heidelberg,
D-6900/1, Fed. Rep. Gar.
Chemische Berichte (1980), 113(9), 3098-102
COUGH: CHBEAN: ISSN: 0009-2940
lournal AUTHOR (S): CORPORATE SOURCE: SOURCE: DOCUMENT TYPE: LANGUAGE: OTHER SOURCE(S): GRAPHIC INAGE: Journal German CASREACT 93:204032

ABSTRACT:
The asym. syntheses of aminonitriles 1 [R = cyclopropy], cyclopenty], cyc

IT

75511-79-4P
RL: SPN (Synthetic preparation): PREP (Preparation)
(asym. synthesis of)
75511-79-4 CAPLUS
Propanentirile, 2-[(2.2-dimothy]-4-pheny]-1, 3-dioxan-5-y1)amino]-2-methyl-3-phenoxy-, [4S-[4u, 5a(R*)]]- (9C1) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 68 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER:
DOCUMENT NUMBER:
04:175527 CAPLUS
94:175527 CAPLUS
94: DOCIMENT TYPE: Journal LANGUAGE: English
ARSTRACT:
S-Benzyl-DL-cysteine-1-3C was prepared from Nal3CN in 3 steps and then converted to its tert-butoxycarbonyl derivative, which was used in the solid-phase synthesis of oxytocin and vasopressin analogs. The above analogs were separated and purified by partition chromatog, and their purity was checked by high pressure liquid chromatog. 1T 77284-34-5P
RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent)
(preparation and hydrolysis of)
RN 77284-34-5 CAPLUS
CN Prepanenitrile-1-13C, 2-amino-3-[(phenylmethyl)thio]- (9C1) (CA INDEX NAME) NH2 Ph-CH2-S-CH2-CH-13C=N L4 ANSWER 70 OF 82 CAPLIS COPYRIGHT 2008 ACS on STN
ACCESSION NIMBER: 1980:585563 CAPLIS
OCIDIENT NIMBER: 93:185563
ORIGINAL REFERENCE NO: 93:29559a, 29562a
LTITLE: E/Z Equilibriums. Part V. Azomethines, 1-azaallyl anions, and metastable secondary enamines
Knorr, Rudolf; Weiss, Alfons: Loew, Peter: Raepple, Edith
Inst. Org. Chem. Univ. Nuenchen. Munich. D-8000/2. Edith Inst. Org. Chem., Univ. Muenchen, Munich, D-8000/2, Fed. Rep. Ger. Chemische Berichte (1980), 113(7), 2462-89 CODEN: CHBEAM: ISSN: 0009-2940 CORPORATE SOURCE: SOURCE: DOCUMENT TYPE: LANGUAGE: ABSTRACT:
Ketone anils RCH2CR1:NR2 [1: R = Me, 1-cyclohexenyl, (un)substituted Ph, 1-naphthyl, PhO, PhS, PhSO, PhSO2, etc.: R1 = Me, Et: R2 = Ph, 3,5-xylyl were prepared and their configurations determined from 1H NMR chemical shifts. The E-Z equilibrium consts. for these compds, do not depend significantly on the inductive substituent effect. Motalation of 1 with LiN(CHMe2)2 gave 1-azanlyl anions, the configurations of which depend on kinetic and thermoon, control of the metalation reaction. Methanolysis of the anions gave metastable enamines RCH:CRINNEY via regio- and stereospacefife N-protonation. Substituent parameters \(\lambda\) were estimated from the E-Z equilibrium data. ABSTRACT: 75251-36-4P 75251-38-6P 75251-40-0P RL: RCT (Reactant): SPN (Synthetic preparation): PREP (Preparation): RACT (Reactant or reagent) (preparation and dehydrocyanation of) 75251-36-4 CAPLUS Prepanentirile, 2-methyl-3-phenoxy-2-(phenylamino) - (CA INDEX NAME)

NHPh Me-C-CH2-OPh

75251-38-6 CAPLUS Propanenitrile, 2-methyl-2-(phenylamino)-3-(phenylsulfinyl)- (CA INDEX NAME)

NHPh O C-CH2-S-Ph

75251-40-0 CAPLUS Propanenitrile, 2-methyl-2-(phenylamino)-3-(phenylsulfonyl)- (CA INDEX NAME)

L4 ANSWER 70 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

DOURCET TYPE:
LANGUAGE:
LANGUAGE:
LANGUAGE:
LANGUAGE:
PATENT ASSIGNEE(S):
DOURCET TYPE:
LANGUAGE:
LANGUAGE:
PATENT INFORMATION:
PATENT INFORMATION:
PATENT INFORMATION:

JP 52021327 A 19770217 JP 1975-97931 19750811
ARSTRACT:
Amino meid derivs. are used as microbicides. Thus, N, N, -dimethyl-2-mectamido-2-cyano-2-(ropylthio)acetamide [PrSC(CN) (NIMc)CONNe2] [64205-24-9] sprayed on tomatoes at 250 ppm almost completely controlled Phytophthora infestans infection. This compound and 28 its analogs were prepared and their fungicidal activities presented.

64205-38-5P 64205-39-6P
RL: AGR (Agricultural use): BAC (Biological activity or effector, except adverse): BSU (Biological study, unclassified): SPN (Synthetic preparation): BIDL (Biological study): PREP (Preparation): USES (Uses) (preparation and fungicidal activity of) 64205-395 CAPLUS
Alanine, N-acctyl-2-cyano-3-(phenylamino)-, athyl ester (CA INDEX NAME)

NC 0 PhNH-CH2-C-C-OEt

64205-39-6 CAPLUS Propanamide, 2-(acetylamino)-2-cyano-N-methyl-3-(phenylamino)- (CA INDEX NAME)

L4 ANSWER 71 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
DOCUMENT NUMBER:
93:26800
ORIGINAL REFERENCE NO.
11TLE:

AUTHOR (S):
AUTHOR (S):
Fischman, Alan J.: Live, David H.: Wyssbrod, Herman R.: Agostae, William C.: Corburn, David
Rockefeller Univ. New York, NY. 10021, USA
JOURNAL OF STATES
DOCUMENT TYPE:
LANGUAGE:
AUSTRACT:
LANGUAGE:
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DOCUMENT TYPE: Journal English ABSTRACT: English ABSTRACT: English ABSTRACT: The six couplings from 11M, 13C, and 15N to the 2 p.protons were measured for the 2 half-crystyl residues in oxytocin, using a series of specifically designed and synthesized induced to the state of the same of the coupling of the same of the coupling of the same of the coupling of the same of the same anal. as for x1L, x61 is approx. *120°. The stereochem. assignments of the p protons of the two residues were confirmed by stereoselective deuteration.

IT 73960-42-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and hydrolysis of)
RN 73960-42-6 CAPLUS
CN Propanentirile-1-13C, 2-amino-3-[[(4-methylphenyl)methyl]thio]- (9CI) (CAINDEX NAME)

LA ANSRER 73 OF 82 CAPLIS COPYRIGHT 2008 ACS on STN
ACCESSION NIMBER: 1974:120654 CAPLUS
BOCIMENT NIMBER: 80:120654
RORIGINAL REFERENCE NO.: 80:19415a, 19418a
Reactions of 1-(p-chlorobenzenesulfonyl)-2cyanoaziridine
Markov, V. 1.: Doroshenko, V. A.
DOCAMENT SOURCE: UKANIAL STANDARD (1) 59-62
COMPORATE SOURCE: (1974), 40(1), 59

IT 51918-63-9P
RL: SPN (Synthetic preparation): PREP (Preparation)
(preparation of)
RN 51918-63-9C APUS
CN Benzenesulfonnmaide, 4-chloro-N-[1-cyano-2-(phenylamino)ethyl]- (CA INDEX NAME)

L4 ANSTER 74 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1974:47614 CAPLUS
ORIGINAL REFERENCE NO: 80:7757a,7760a
STITLE: 80:7757a,7760a
AUTHOR (S): Source: 90:7757a,7760a
Synthesis of a-amino-P-(p-hydroxyhenexy)propionamide hydrochloride
Wawzonck, S.: Gaffield, W. P., Jr.
Dep. Chem., Univ. lowe, lowa City, 1A, USA
Organic Preparations and Procedures International (1973), 5(6), 265-9

DOCUMENT TYPE: 100rnal 100rna

DOCUMENT TYPE: LANGUAGE: ABSTRACT:

ARSTRACT:
p-ROC6H4CH2CH(NH2)-CON12, HCJ (1, R = H) was prepared from p-PhCH20C6H4OCH2-CHRRI
(11: R = R) = 0E1) (1111) by a series of reactions. III was acid-hydrolyzed and
the resulting aldebyde converted by the Strecker reaction or by treatment with
ammonium carbonate and KCN in Et0H at 50-60° for 2 ht to II (R = NH2, R)
= CN). Hydrolysis of this nitrile with HCJ in dioxane at room temperature gave I (R = PhCH2D). Advogenolysis of which gave I (R = H). III was prepared by reaction
of p-PhCH2DC6H4OH with CICH2CH(OE1)2.

IT 51343-99-8P
RL: SPN (Synthetic preparation): PREP (Preparation)
(preparation of)
RN 51343-99-8 CAPLUS
CN Propanenitrile, 2-amino-3-[4-(phenylaethoxy)phenoxy]- (CA INDEX NAME)

L4 ANSWER 76 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN ACCESSION NUMBER: 1965:489245 CAPLUS COPURISH COPYRIGHT 2008 ACS on STN 1965:489245 CAPLUS 63:89245 CAPLUS 11TLE: 63:164527-h, 16453a-b Nitrile group in peptide chemis D.: 63:16452f-h, 1645an-b
Nitrile group iperpide chemistry, VI. Preparation of
Nitrile group in Perpidected amino nitriles from
Nervice ted amino acids
Liberck, Bogdani Nowicka, Aldona: Szrek, Jerzy
Wyzara Szkola Pedagogiczna, Gdansk, Pol.
Roczniki Chemii (1965), 39(3), 369-74
CODEN: ROCHAC: ISSN: 0035-7677
Journal
English
For diagram(s), see printed CA Issue. AUTHOR (S): CORPORATE SOURCE: SOURCE: OCCIMENT TYPE: Journal Dournal Dournal Dournal Control DOCUMENT TYPE:

IT 33045-19-IP, Carbanic acid, [2-(benzylthio)-1-cyanocthyl]-, benzyl ester RL: PREP (Preparation)

(preparation of)
33045-19-1 CAPLUS
Carbamic acid. [2-(benzylthio)-1-cyanoethyl]-, benzyl ester, DL- (8CI)
(CA INDEX NAME)

L4 ANSWER 75 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
DOCLMENT NUMBER:
ORIGINAL REFERENCE NO:
TITLE:

AUTHOR(S):
CORPORATE SOURCE:
SOURCE:
CORPORATE TYPE:
LANGUAGE:
OTHER SOURCE(S):
AUSTRACE
CORPORATE SOURCE(S):
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DOUMENT TYPE: Journal LANGUAGE: Dournal LANGUAGE: English OTHER SOURCE(S): ASSREACT 75:49523
ABSTRACT: Racenic tetrazole analogs of N-benzyloxycarbonyl derivs. of alanine, S-benzylcysteine, leucine, phenylalanine and valine were resolved by means of N-benzyloxycarbonyl-DL-phenylalanine provided the L-enantiomer. From the other fractionation expits. Letrazole analogs of N-benzyloxycarbonyl-D-alanine, -S-benzyl-D-cysteine, -D-laucine, and -D-valine were obtained.

33045-19-1P
RL: SPN (Synthetic preparation): PREP (Preparation)
(preparation of)
33045-19-1 CAPLUS
Carbasic acid. [2-(benzylthio)-1-cyanoethyl]-, benzyl ester. DL- (8C1)
(CA INDEX MAME)

L4 ANSWER 77 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
DOCUMENT NUMBER:
SOURCE:
SURRCE:

DOCUMENT TYPE:
LANGUAGE:
DOCUMENT TYPE:
LANGUAGE:
OTHER SOURCE(S):
OTHER SOURCE(S):
CAPUS COPYRIGHT 2008 ACS on STN
1963:435903 CAPLUS
59:58104
Nitriles and amidines of optically active acylamino acids and peptides
Woolley, D. W.: Hershey, J. W. B.: Jødlowski, H. A.
Rockefeller Inst., New York, NY
Journal of Organic Chemistry (1963), 28(8), 2012-15
CODEN: JOCCHH: ISSN: 0022-3263
Journal
Unavailable
CASREACT 59:35903

SOURCE: Journal of Organic Chemistry (1903), 20(6), 20(2-15)

DOCLMENT TYPE: Journal of Organic Chemistry (1903), 20(6), 20(2-15)

DOCLMENT TYPE: Journal Of Organic Chemistry (1903), 20(6), 20(2-15)

LANGLAGE: Unavailable

OTHER SOURCE(S): CASREACT 59:35903

ASSTRACT:

Nitriles of acylated amino acids and peptides were made by treatment of the ocrresponding amides with pyridine and phosphorus oxychloride. The optical activity was retained. The amidines were made by conversion of the nitriles to imino ethers, which then were converted to amidines. In this way acctyl-1-phenylalanine nitrile, "c-acetyl-2-tosyllysine nitrile, "obenzoyl-1-phenylalanylserine nitrile, N-benzoyl-1-phenylalanylserine nitrile, N-benzoyl-1-chyelysinemidine, and the corresponding N-benzylsmidine were prepared The conversion of the dipeptide nitriles to their amidines was largely unsuccessful because of an intramol. decomposition, which gave N-benzoylsminemidine from N-benzoylphenylalanylserine nitrile.

IT 97255-68-0P, Hydrocinnamamide, a-benzamido-N-[2-(benzyloxy)-1-cyanoethyl]RL: PREP (Preparation)
(preparation of)
RN 97255-68-0 CAPLUS
CN Hydrocinnamamide, a-benzamido-N-[2-(benzyloxy)-1-cyanoethyl]- (7C1)
(CA INDEX NAME)

L4 ANSWER 78 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN ACCESSION NUMBER: 1954:11227 CAPLUS : DOCUMENT NUMBER: 48:11227 CAPLUS : 7 ORIGINAL REFERÊNCE NO. 48:2090a-c Tatsuoka, Sueo: Nakamori, Ritsuo Tatsuoka, Sueo: Nakamori, Ritsuo Takeda Pharmaceutical Industries Co. TITLE: INVENTOR(S): PATENT ASSIGNEE(S): DOCUMENT TYPE: LANGUAGE: Patent Unavailable 1

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

APPLICATION NO. PATENT NO. KIND DATE DATE JP 27002778 B4 19520725 IP

JP 27002778 B4 19520725 JF.

RSTRACT:

R10Na (1, 2 g. Na and 25 ml. alc.) and 8.5 g. AcNKH(CN)CO2Et treated dropwise with 10.2 g. PKCHSSCH2CL12Cl. heated is first on, a water bath, the product poured into ice water, and the precipitate filtered and washed with water give 9.6 g. PKCHSSCH2CLC(NNAC)(CN)CO2Et (1) n. Il 10-12 (From alc.): I and 200 ml.

ISW HCl boiled on an oil bath 10 hrs., the product filtered with C, the filtrate concentrated in vacuo, the residue neutralized with C5HSN, and the precipitate filtered, and washed with water and alc. give 41.2 g. PhCH2SCH2CH(NN2)CO2M, m.

243 (decomposition) (from water).

854429-41-7P, Butyric acid, 2-acetamido-4-(benzylthio)-2-cyano-, ethyl ester
RL: PREP (Preparation)
(preparation of)
854429-41-7 CAPLUS
Butyric acid, 2-acetamido-4-(benzylthio)-2-cyano-, ethyl ester (5C1) (CA INDEX NAME)

E10-C-C-CH2-CH2-S-CH2-Ph

L4 ANSWER 79 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) RCH(CN) CONSIST, Carbamates RCH(R' NROZR' Phenylureido deriv. of amino acid RCHRISCORIE, R. B. D. (*C.), R. R'. M. D. M. D. (*C.); O-CICGH4O(CH2)3, 39-100, CN CO210 N. D. Et E. PhCIz, 67-8 101-2 84-5, 178-80; o-ICGH4O(CH2)3, 113-14, CN, PhCIR2, 90-2, 184-6; o-02NC 6H4O(CH2)3, 112-13, CN CO2H, Et Et, 66-8, 25-4, 16-3-5; a-02NCGH4O(CH2)3, 112-13, CN CO2H, Et E. O-CICGH4O(CH2)3, 120, CN, Et, 108, 174-6b; p-02NCGH4O(CH2)3, 127-8, CN CN, Et PhCIR2, 62-3 75-6, 190-2; o-CICGH4O(CH2)2, 88-9, N. C2H5E1, 69, 167-9; o-PE-RCGH4O(CH2)2, 95-6, CN, Et, 75, 147-8a; o-ICSH4O(CH2)2, 97-8, CN CN, Et PhCIR2, 74-8a; o-ICSH4O(CH2)2, 10-12, CN, PhCIR2, 83-4; a p-iotylsulfonamido deriv. is hydantoin deriv. a. 157-8'.

iv. b Hydantoin deriv. m. 157-8°.

408537-19-9P. Cerbamic acid. [4-(o-chlorophenoxy)-1-cyanobuty]]-, ethyl ester 854882-03-4P. Cerbamic acid. [3-(o-bromophenoxy)-1-cyanoproyl]-, ethyl ester 854885-55-5. Carbamic acid. [3-(o-chlorophenoxy)-1-cyanopropy]]-, ethyl ester 855887-96-6P. Carbamic acid. [1-cyano-4-(o-iodophenoxy))buty]-, benzyl ester 85588-66-3P. Cerbamic acid. [1-cyano-4-o-iodophenoxy)buty]-, ethyl ester 876511-37-3P. Carbamic acid. [1-cyano-4-o-iodophenoxy)buty]-, ethyl ester 876511-37-4P. Carbamic acid. [1-cyano-4-o-iodophenoxy]buty]-, ethyl ester 81651-37-4P. Carbamic acid. [1-cyano-4-o-iodophenoxy]buty]-, ethyl ester 81651-37-4P. Carbamic acid. [1-cyano-4-o-iodophenoxy]buty]-, ethyl ester 81651-37-4P. Carbamic acid. [1-cyano-4-o-iodophenoxy]buty]-, ethyl ester (9Ci) (CA INDEX NAME)

854882-03-4 CAPLUS Carbasic acid, [3-(o-bromophenoxy)-1-cyanopropyl]-, ethyl ester (5C1) (CA INDEX NAME)

854885-55-5 CAPLUS Carbamic acid. [3-(o-chlorophenoxy)-1-cyanopropyl]-. ethyl ester (SCI) (CA INDEX NAME)

L4 ANSWER 79 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:
DOCUMENT NUMBER:
00 RIGINAL REFERENCE NO. 48:123; 124a=1
Synthesis of a-maino acids from ethyl
cynonocetate
Gagnon, Paul E.; Nadeau, Guy; Cote, Raymond
Laval Univ., QC
Canadian Journal of Chemistry (1952), 30, 592-7
CODEN: CJCIAG; ISSN: 0008-4042
Journal
LANGLIAGE:
0THER SOURCE(S):
GRAPHIC IMAGE:
ASSTRACT:
0CRESSION CONTRACT OF COMMENT CONTRAILE SOURCE:

COURT: CICHAG: ISSN: 0008-4042

DOCIMENT TYPE:
LANGLAGE:
Unavailable
Unavailable
CASREACT 48:782

GRAPHIC IMAGE:
Monosubstituted cyanoacctic esters obtained by condensation of substituted bromophenoxyethanes and propanes with CIZ (20) COZE: (1) in presence of K2C03

were transformed through a Curticut degradation into cyanoacctio sosters obtained by condensation of substituted bromophenoxyethanes and propanes with CIZ (20) COZE: (1) in presence of K2C03

were transformed through a Curticut degradation into cyanoacctois osteranates which were hydrolyzed in citheponding No-carbobenzy lover on N-carbethoxyanates which were hydrolyzed in citheponding N-carbobenzy lover on N-carbethoxyanates which were hydrolyzed in citheponding N-carbobenzy lover on N-carbethoxyanates which were hydrolyzed in citheponding N-carbobenzy lover on N-carbethoxyaninonitriles affordate better yields. Mixts. containing 1 mole 1.3-C3H68+2. 0.5 mole substituted phenol. 0.5 mole NaOH, and 400 ml. H20 were heated under reflux with stirring until neutral, dried, and fractionally distilled to give the 3-phenoxy-1-propyl bromide. 2-Phenoxyethyl bromides were prepared similarly from (CH2Br)2. Anhydrous K2C03 (0.12 mole) Comp. Bp. C C. J/ma. Hg. Mp. C C. J/Held N. A250: o-CIGHHO (CH2)3Br, 118-20/5, -, 68-70, 1.555: o-BrCGHHO (CH2)3Br, 118-17/2, -3-1, -3-5, 1.575: o-ICGHHO (CH2)3Br, 118-20/5, -, 68-70, 1.555: o-BrCGHHO (CH2)3Br, 118-20/1, -3-6, 1.555: o-BrCGHHO (CH2)3Br, 118-20/1, -3-7, -; m-O2XCGHHO (CH2)3Br, 175-7/2, 58-9, 67-9, -; o-CICGHO (CH2)2Br, 119-1/1/1-2, -3-7, -; -; -0-2XCGHHO (CH2)3Br, 175-7/2, 58-9, 67-9, -; o-CICGHO (CH2)2Br, 10-1/1/1-2, -3-7, -; -; -0-2XCGHHO (CH2)3Br, 175-7/2, 58-9, 67-9, -; o-CICGHO (CH2)2Br, -10-1/1/1-2, -3-5, -72-4, -; -0-1CGHO (CH2)2Br, -72-4, -9-0-2XCGHO (CH2)2Br, -72-5, -7

L4 ANSWER 79 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

855687-96-6 CAPLUS Carbanic acid, [1-cyano-4-(o-iodophenoxy)butyl]-, benzyl ester (5C1) (CA INDEX NAME)

855688-66-3 CAPLUS Carbanic acid. [1-cyano-3-(m-nitrophenoxy)propyl]-, benzyl ester (SCI) (CA INDEX NAME)

876511-36-3 CAPLUS Carbamic acid, [1-cyano-4-[o-nitrophonoxy]buty1]-, ethyl ester (5C1) (CA INDEX NAME)

876511-37-4 CAPLUS Carbasic acid, {|-cyano-4-[m-nitrophenexy]bulyl]-, ethyl ester (5Cl) (CA INDEX NAME)

L4 ANSWER 79 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN

L4 ANSWER 81 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1950:12534 CAPLUS
OCAMENT NUMBER: 44:12534 CAPLUS
OCAMENT NUMBER: 44:1254 CAPLUS
TITLE
AUTHOR (S): CREPORATE SOURCE: Source: Gavron, Oscor: Claid, Andrew I., III.
DOCUMENT TYPE: JOURNAIL SOURCE: 3222-3
CODEN: JACSAT: ISSN: 0002-7863
Unavailable
ASSTRACT: DOCUMENT TYPE: LANGUAGE: ABSTRACT: LANGUAGE: Unavailable
ARSTRACT:
E10H (500 ml.), treated with 23 g. Na and then with 124 g. PhCH2SH and, after
cooling, with 169 g. BrCH2CH(0Me)2 and refluxed 3 hrs., gives 70%
(benzylmerceptolacetaldehyde di-Me acetal (1), b6 140-1°, d422 l.0757,
n022 l.5303: 110 g. l and 350 ml. N H2SOM, refluxed l.5 hrs., give 75%
PhCH2SCH2CH0 (11), b6 125,5-7°, d422 l.1105, nD22 l.5699 (semicarbazone,
a. 105-7°), 11 (35 g.), added slowly to 23 g. NaHSO3, in 75 ml. H2O,
shaken 10 min. treated portionwise with 11 g. NaCN in 30 ml. H2O, shaken 30
min and extracted with C6H6, gives 85% crude PhCH2SCH2CH(0H2O) which, treated at
100° with 100 ml. concentrated HC1, 23 g. 111 yields 67.5%
S-benzyl-Dl.-cysteine (19), ma 213-14° 11 (20 g.), 57 g. (NH4) 2CO3, 12.7
g. NaCN, and 340 ml. 50% E10H, heated 4 hrs. at 40-5° give 70%
5-(benzylmerceptomethylhydhantoin. m. 118-19°; hydraylasis resulted in
decomposition without yielding IV. 408352-79-4P, Propionitrile, 2-amino-3-(benzylthio)-RL: PREP (Preparation)

(preparation of)
408352-79-4 CAPUS
Propanenitrile, 2-maino-3-[(phenylmethyl)thio]- (CA INDEX NAME)

NC-CH-CH2-S-CH2-Ph

L4 ANSWER 80 OF 82 CAPLUS COPVRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1953:31762 CAPLUS
DOCUMENT NUMBER: 47:31762 CAPLUS
ORIGINAL REPRENCE NO. 47:5553gr
TITLE: A simple synthesis of DL-cystine from acrylonitrile
Gundermann, Karl Dietrich: Michael, Fritz
Univ. Munster, Germanny
Ann. (1952), 578, 45-8
DOCUMENT TYPE: Journal
LANGUAGE: 07HER SOURCE(S): CASREACT 47:31762 OTHER SOURCE(S): CASREACT 47:31762
ASSTRACT:
To 35 g. freshly distilled PhCHZSH was added 0.6 g. dry NaOMe (free from MeOH)
cooled to 0°, and, with stirring, 32 g. CH2:CCICN [C.A. 43, 2574d] at
such a rate that the temperature never rose above 40°, the mixture cooled to
0°, then heated 1 hr. on the steam bath, neutralized with MeONa in MeOH,
filtered, and fractionated in vacuo, giving 39, 3 g. PhCHZSCHZCHCIN (1), bo. 2
121-2°, a. 43-45°, and a by-product (not analyzed but possibly
PhCHZSCH:CHCN), bo. 4 101-5°, m. 96-8° I 1 (0.15 g.) with liquid
NIB gave 5. 4 g. crude PhCHZSCHZCH(NHZ)CN, which, without purification, was
hydrolyzed with 50 cc. concentrated HCl, yielding 4.23 g. DL-PhCHZSCHZCH(NHZ)CO2H
(11), a. 209-13° (decomposition), purified by solution in 10% NaOH, precipitation with
25% AcOH, and crystallization from HZO. 1 (6.5 g.) mixed with 5.66 g. powdered
or-CHH (CO)2-CM-W was stirred and heated 8 hrs. at 123-130° ith product
triturated with HZO, extracted with COHG, and fractionaled in vacuo gave 2.5 g.
CCH4 (CO)2-CMHCO) CHZSCHZCH (111), a. 97-8°, bo. 01 228° j.1.46, 82.2) gave 0.39 g.
Il and 0.29 g. Ill. I in liquid NIS with Na, Followed by oxidation (cf. W.
and du V.) gave DL-cystine. 408352-79-4P, Propionitrile, 2-amino-3-(benzylthio)-RL: PREP (Preparation) (preparation of) 408352-79-4 CAPLUS Propanenitrile, 2-amino-3-[(phenylmethyl)thio]- (CA [NDEX NAME)

NC-CH-CH2-S-CH2-Ph

L4 ANSWER 82 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION MARGER:
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ANSWER 82 OF 82
CAPLUS COPYLIGHT 2008 ACS on STN
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1948:13659
CASHACT 42:13659
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1948:13659
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Page 110 10/518, 210

1.4 ANSWER 82 OF 82 CAPLUS COPYRIGHT 2008 ACS on STN (Continued) and 3 cc. concd. HCl. heated 16 h. at 100° .give 110 mg. u-mainory-(benry)lmercapto)-valeric acid, m. 215-16° (decompn.). The free base from 3.8 g. VIIB. refluxed 3 h. with 20 cc. 50% EIGH-CS2, gives 70% 5 - mainor - 2 - mercapto - 4 - [2 - 237° .with 50% aq. (CHO)2 it yields the biszonethine (VV). red, m. 238° .XIV (6 g.) refluxed 2 h. with 40 cc. 50% AcOH-concd. HCl. gives 59% u-mainory-(Chenzylmercapto)-y-mathylvaleric acid (XVI). m. 178° ivith Na in 11a, NH3 XVI yields 73% u-mainory-mercaptory-methylvaleric acid (XVII). m. 178° ivith Na in 11a, NH3 XVI yields 73% u-mainory-mercaptory-methylvaleric acid (XVII), Me2C(SH)CH2CH(NH2CCO2H, m. 219° (decompn.). XVII (250 mg. of the HCl sailt). 1 cc. BzH, and 2 cc. McOH-HCl., heated 15 min. on the steam bath, give 4-carbonethoxy-2-phenyl-6, 6-dimethyl-w-thiazano, m. 105°.

IT 855621-15-7P, Butyronitrile, 2-amino-4-(benzylthio)-, hydrochloride : RL: PREP (Preparation) : (preparation of) : (S5621-15-7 CAPLUS CN Butyronitrile, 2-amino-4-(benzylthio)-, hydrochloride (5C1) (CA INDEX NAME)

NH2 NC-CH-CH2-CH2-S-CH2-Ph

• HC1

=> log h COST IN U.S. DOLLARS

SINCE FILE **ENTRY**

TOTAL SESSION

FULL ESTIMATED COST

449. 78

628.35

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE **ENTRY**

TOTAL SESSION

CA SUBSCRIBER PRICE

-65. 60

-65.60

SESSION WILL BE HELD FOR 120 MINUTES STN INTERNATIONAL SESSION SUSPENDED AT 11:13:32 ON 28 JAN 2008